Date: 29-APR-09

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 35642

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000351	17-APR-09	CUST# VEP-40470048	0.00	1,275.00

TRONOX

Tronox Worldwide LLC
Debtor-In-Possession, 09-10156
General Account
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-28/311

CHECK DATE	CHECK NO.	NET AMOUNT
29-APR-09	35642	$******1,275.00

VOID AFTER 90 DAYS

PAY One Thousand Two Hundred Seventy-Five and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 2339

JACKSON MS 39225

⑈00035642⑈ ⑆031100209⑆ 3872625 3⑈

RECEIVED

MAY 01 2009

DEPT. OF ENVIRONMENTAL QUALITY
ACCOUNTS RECEIVABLE

STATE OF MISSISSIPPI

DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 2339

JACKSON, MS 39225

** INVOICE**

** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: VEP-00003516
DATE: 04-17-2009

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # VEP-40470048
Date Due: 05-17-09

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
ANALYZED SVOA SAMPLE #38677	1	SAMPLE(S)	425.00	$425.00
ANALYZED SVOA SAMPLE #38678	1	SAMPLE(S)	425.00	$425.00
ANALYZED SVOA SAMPLE #38679	1	SAMPLE(S)	425.00	$425.00
		TOTAL AMOUNT DUE		**$1,275.00**

Vendor No.: 5263 MISSISSIPPI DEPT ENV Date: 01-APR-09 Check No.: 35424

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000346	13-MAR-09	CUST# VEP-40470048	0.00	812.50

40470048

TRONOX

Tronox Worldwide LLC
Debtor-In-Possession, 09-10156
General Account
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

CHECK DATE	CHECK NO.	NET AMOUNT
01-APR-09	35424	$********812.50

VOID AFTER 90 DAYS

PAY Eight Hundred Twelve and 50/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 2339

JACKSON MS 39225

Mary Miller

⑈000354 24⑈ ⑆031100209⑆ 38726253⑈

RECEIVED
APR - 6 2009
DEPT OF ENVIRONMENTAL QUALITY
ACCOUNTS RECEIVABLE

**** INVOICE****
**** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM****

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00003466**
DATE: **03-13-2009**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # **VEP-40470048**
Date Due: 04-12-09

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please Include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
FEBRUARY 2009 / D. A. RUSSELL	18	STAFF HOUR(S)	100.00	$1,800.00
			AMOUNT DUE	$1,800.00
			LESS ADVANCE USED	-$987.50
			TOTAL AMOUNT DUE	**$812.50**

Effective 03/01/2008: Please mail all payments to P O Box 2339 Jackson, MS 39225-2339

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 2339
JACKSON, MS 39225

**** INVOICE****
**** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM****

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00003431**
DATE: **02-18-2009**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # **VEP-40470048**
Date Due: 03-20-09

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
JANUARY 2009 / D. A. RUSSELL	1	STAFF HOUR(S)	100.00	$100.00
			AMOUNT DUE	$100.00
			LESS ADVANCE USED	-$100.00
			TOTAL AMOUNT DUE	**$.00**

Effective 03/01/2008: Please mail all payments to P O Box 2339 Jackson, MS 39225-2339

Date: 01-OCT-08

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 31673

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000324	16-SEP-08	CUST# VEP-40470048	0.00	200.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citigroup
One Penn's Way
New Castle, DE 19720

CHECK DATE	CHECK NO	NET AMOUNT
01-OCT-08	31673	$*******200.00

VOID AFTER 90 DAYS

PAY Two Hundred and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 2339

JACKSON MS 39225

⑈00031673⑈ ⑆031100209⑆ 38726253⑈

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 2339
JACKSON, MS 39225

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00003240**
DATE: **09-16-2008**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # **VEP-40470048**
Date Due: 10-16-08

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
AUGUST 2008 / D. A. RUSSELL	2	STAFF HOUR(S)	100.00	$200.00
			TOTAL AMOUNT DUE	**$200.00**

Effective 03/01/2008: Please mail all payments to P O Box 2339 Jackson, MS 39225-2339

Date: 30-JUL-08

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 31192

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000312	17-JUN-08	4047 0048	0.00	500.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO	NET AMOUNT
30-JUL-08	31192	$*********500.00

VOID AFTER 90 DAYS

PAY Five Hundred and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 2339

JACKSON MS 39225

⑈00031192⑈ ⑆031100209⑆ 3872625 3⑈

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. BOX 2339
JACKSON, MS 39225

**** INVOICE****
**** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM****

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00003128**
DATE: **06-17-2008**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # **VEP-40470048**
Date Due: **07-17-08**

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
MAY 2008 / D. A. RUSSELL	5	STAFF HOUR(S)	100.00	$500.00
			TOTAL AMOUNT DUE	**$500.00**

Effective 03/01/2008: Please mail all payments to P O Box 2339 Jackson, MS 39225-2339

Date: 18-JUN-08

Vendor No.: 526[illegible] MISSISSIPPI DEPT ENV Check No.: 30867

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000308[illegible]	19-MAY-08	CUST# VEP-40470048	0.00	200.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
18-JUN-08	30867	$********200.00

VOID AFTER 90 DAYS

PAY Two Hundred and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 2339

JACKSON MS 39225

⑈00030867⑈ ⑆031100209⑆ 3872625 3⑈

RECEIVED
JUN 20 2008
ENVIRONMENTAL QUALITY
ACCOUNTS RECEIVABLE

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. BOX 2339
JACKSON, MS 39225

**** INVOICE****
**** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM****

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00003084**
DATE: **05-19-2008**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # **VEP-40470048**
Date Due: **06-18-08**

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
APRIL 2008 / D. A. RUSSELL	2	STAFF HOUR(S)	100.00	$200.00
			TOTAL AMOUNT DUE	**$200.00**

Effective 03/01/2008: Please mail all payments to P O Box 2339 Jackson, MS 39225-2339

Date: 06-FEB-08

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 29873

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000292	14-JAN-08	CUST# VEP-40470048	0.00	2,200.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
06-FEB-08	29873	$******2,200.00

VOID AFTER 90 DAYS

PAY Two Thousand Two Hundred and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈00029873⑈ ⑆031100209⑆ 38726253⑈

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 20325
JACKSON, MS 39289-1325

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: VEP-00002926
DATE: 01-14-2008

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # VEP-40470048
Date Due: 02-13-08

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
DECEMBER 2007 / D. A. RUSSELL	18	STAFF HOUR(S)	75.00	$1,350.00
ANALYZED SVOA SAMPLE #34850	1	SAMPLE(S)	425.00	$425.00
ANALYZED SVOA SAMPLE #34851	1	SAMPLE(S)	425.00	$425.00
			TOTAL AMOUNT DUE	**$2,200.00**

Date: 12-DEC-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 29325

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000286	26-NOV-07	CUST# VEP-40470048	0.00	75.00

TRONOX Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
12-DEC-07	29325	$*********75.00

VOID AFTER 90 DAYS

PAY Seventy-Five and NO/100 Dollars

TO THE ORDER OF
MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈00029325⑈ ⑆031100209⑆ 38726253⑈

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 20325
JACKSON, MS 39289-1325

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: VEP-00002860
DATE: 11-26-2007

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # VEP-40470048
Date Due: 12-26-07

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
OCTOBER 2007 / D. A. RUSSELL	1	STAFF HOUR(S)	75.00	$75.00
			TOTAL AMOUNT DUE	**$75.00**

Date: 30-OCT-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 28969

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000~~281~~ 2817	18-OCT-07	CUST# VEP-40470048	0.00	1,762.50

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
30-OCT-07	28969	$******1,762.50

VOID AFTER 90 DAYS

PAY One Thousand Seven Hundred Sixty-Two and 50/100 Dollars

TO THE ORDER OF
MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325 .

⑈00028969⑈ ⑆031100209⑆ 3872625 3⑈

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 20325
JACKSON, MS 39289-1325

**** INVOICE****
**** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM****

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: VEP-00002817
DATE: 10-18-2007

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # VEP-40470048
Date Due: 11-17-07

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
SEPTEMBER 2007 / D. A. RUSSELL	23.5	STAFF HOUR(S)	75.00	$1,762.50
			TOTAL AMOUNT DUE	**$1,762.50**

Date: 02-OCT-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 28736

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000278	17-SEP-07	CUST# VEP-40470048	0.00	825.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
02-OCT-07	28736	$********825.00

VOID AFTER 90 DAYS

PAY Eight Hundred Twenty-Five and NO/100 Dollars

TO THE ORDER OF
MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈00028736⑈ ⑆031100209⑆ 3872625 3⑈

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OCT 08 2007
ENVIRONMENTAL QUALITY
INTS RECEIVABLE

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 20325
JACKSON, MS 39289-1325

**** INVOICE****
**** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM****

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: VEP-00002785
DATE: 09-17-2007

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # VEP-40470048
Date Due: 10-17-07

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
AUGUST 2007 / D. A. RUSSELL	11	STAFF HOUR(S)	75.00	$825.00
			TOTAL AMOUNT DUE	**$825.00**

Date: 30-AUG-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 28455

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000274	17-AUG-07	CUST# VEP-40470048	0.00	75.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
30-AUG-07	28455	$*********75.00

VOID AFTER 90 DAYS

PAY Seventy-Five and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈00028455⑈ ⑆031100209⑆ 38726253⑈

RECEIVED
SEP - 4 2007
ENVIRONMENTAL QUAL
INTS RECEIVABLE

STATE OF MISSISSIPPI

HALEY BARBOUR
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: VEP-00002740
DATE: 08-17-2007

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # VEP-40470048
Date Due: 09-16-07

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
JULY 2007 / D. A. RUSSELL	1	STAFF HOUR(S)	75.00	$75.00
			TOTAL AMOUNT DUE	**$75.00**

ACCOUNT RECEIVABLE/FEES
POST OFFICE BOX 20325 • JACKSON, MISSISSIPPI 39289-1325 • TEL: (601) 961-5572 • FAX: (601) 354-6965 • Email: accounts_receivable@deq.state.ms.us

Date: 31-JUL-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 28169

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000269	16-JUL-07	06/2007 D.A.RUSSELL	0.00	7,912.50
4047	0048			

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO	NET AMOUNT
31-JUL-07	28169	$******7,912.50

VOID AFTER 90 DAYS

PAY Seven Thousand Nine Hundred Twelve and 50/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈00028169⑈ ⑆031100209⑆ 38726253⑈

RECEIVED
AUG - 6 2007
MS DEPT. OF ENVIRONMENTAL QUAL
ACCOUNTS RECEIVABLE

STATE OF MISSISSIPPI

HALEY BARBOUR
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00002697**
DATE: **07-16-2007**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # **VEP-40470048**
Date Due: **08-15-07**

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
JUNE 2007 / D. A. RUSSELL	105.5	STAFF HOUR(S)	75.00	$7,912.50
			TOTAL AMOUNT DUE	**$7,912.50**

ACCOUNT RECEIVABLE/FEES
POST OFFICE BOX 20325 • JACKSON, MISSISSIPPI 39289-1325 • TEL: (601) 961-5572 • FAX: (601) 354-6965 • Email: accounts_receivable@deq.state.ms.us

Date: 30-AUG-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 28454

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000266	12-JUN-07	CUST# VEP-40470048	0.00	900.00

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO.	NET AMOUNT
30-AUG-07	28454	$********900.00

VOID AFTER 90 DAYS

PAY Nine Hundred and NO/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈000284 54⑈ ⑆031100209⑆ 38726253⑈

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SEP - 4 2007
ENVIRONMENTAL QUALITY
ACCOUNTS RECEIVABLE

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00002660**
DATE: **06-12-2007**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # VEP-40470048
Date Due: 07-12-07

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
MAY 2007 / D. A. RUSSELL	12	STAFF HOUR(S)	75.00	$900.00
			TOTAL AMOUNT DUE	**$900.00**

OFFICE OF ADMINISTRATIVE SERVICES
POST OFFICE BOX 20305 • JACKSON, MISSISSIPPI 39289-1305 • TEL: (601) 961-5171 • FAX: (601) 354-6965 • www.deq.state.ms.us
AN EQUAL OPPORTUNITY EMPLOYER

Date: 31-MAY-07

Vendor No.: 5263 MISSISSIPPI DEPT ENV Check No.: 27672

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000261	17-MAY-07	INV# VEP-00002613 40470048	0.00	2,287.50

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

12-30
311

CHECK DATE	CHECK NO	NET AMOUNT
31-MAY-07	27672	$******2,287.50

VOID AFTER 90 DAYS

PAY Two Thousand Two Hundred Eighty-Seven and 50/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈000 27672⑈ ⑆031100209⑆ 38726253⑈

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

** INVOICE**

** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

TRONOX LLC
ATTENTION: MR. KEITH WATSON
P O BOX 268859
OKLAHOMA CITY, OK 73126-8859

INVOICE #: **VEP-00002613**
DATE: **05-17-2007**

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

CUSTOMER # VEP-40470048
Date Due: 06-16-07

ENGINEER:
TONY RUSSELL - (601) 961-5318

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
APRIL 2007 / D. A. RUSSELL	18.5	STAFF HOUR(S)	75.00	$1,387.50
ANALYZED SVOA SAMPLE #33040	1	SAMPLE(S)	150.00	$150.00
ANALYZED SVOA SAMPLE #33041	1	SAMPLE(S)	150.00	$150.00
ANALYZED SVOA SAMPLE #33042	1	SAMPLE(S)	150.00	$150.00
ANALYZED SVOA SAMPLE #33043	1	SAMPLE(S)	150.00	$150.00
ANALYZED SVOA SAMPLE #33044	1	SAMPLE(S)	150.00	$150.00
ANALYZED SVOA SAMPLE #33045	1	SAMPLE(S)	150.00	$150.00
			TOTAL AMOUNT DUE	**$2,287.50**

ACCOUNTS RECEIVABLE/FEES
POST OFFICE BOX 20325 • JACKSON, MISSISSIPPI 39289-1325 • TEL: (601) 961-5572 • FAX: (601) 354-6965 • Email: accounts_receivable@deq.state.ms.us

Date: 13-MAR-07

Vendor No.: 5263 D5 MISSISSIPPI DEPT ENV Check No.: 26996

INVOICE NUMBER	INVOICE DATE	INVOICE DESCRIPTION	DISCOUNT AMOUNT	NET AMOUNT
VEP0000246 *D5	08-MAR-07	CUST#VEP40470048 01/07 D.A.RUSS RUSH CALL - DEBI MARTIN @ 775-5429	0.00	1,437.50

TRONOX

Tronox Worldwide LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Citibank, Delaware
A Subsidiary of Citicorp
One Penn's Way
New Castle, DE 19720

62-20
311

CHECK DATE	CHECK NO	NET AMOUNT
13-MAR-07	26996	$******1,437.50

VOID AFTER 90 DAYS

PAY One Thousand Four Hundred Thirty-Seven and 50/100 Dollars

TO THE ORDER OF

MISSISSIPPI DEPT ENVIRONMENTAL QUALITY
PO BOX 20325

JACKSON MS 39289-1325

⑈00026996⑈ ⑆031100209⑆ 3872625 3⑈

RECEIVED
MAR 19 2007
MS DEPT. OF ENVIRONMENTAL QUALITY
ACCOUNTS RECEIVABLE

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY
P.O. BOX 20325
JACKSON, MS 39289-1325

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

ADAMS AND REESE
ATTENTION: MR. KEITH WATSON
123 S KERR ST
OKLAHOMA CITY, OK 73102

INVOICE #: VEP-00002463
DATE: 02-13-2007

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # VEP-40470048
Date Due: 03-15-07

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
JANUARY 2007 / D. A. RUSSELL	13.5	STAFF HOUR(S)	75.00	$1,012.50
ANALYZED SVOA SAMPLE #32394	1	SAMPLE(S)	425.00	$425.00
			TOTAL AMOUNT DUE	**$1,437.50**

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Chain of Custody Record

3047

OFFICE OF POLLUTION
CONTROL LABORATORY
1542 OLD WHITFIELD ROAD
PEARL, MS 39208-9186

PROJECT NAME: Gulf States Creosote

PROJECT LOCATION: Hattiesburg

REMARKS:

DATA TO: T Russell

ESD SAMPE TYPES

1. SURFACEWAER
2. GROUNDWATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

Sampler
A. Dicky Allison
B. Steve Lufon
C.

SAMPLE ID	Sample Type	2009 Date	Time	Comp	Grab	DESCRIPTION	TOTAL CONTAINERS	VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE					TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY
								ANALYSIS (Circle/Add parameter desired. List no. of containers submitted.)																
MW-18	2	2/4	0900		✓	Monitor Well 18	2					2											38677
MW-8	2	2/4	1015		✓	Monitor Well 8	2					2											38678
MW-9	2	2/5	1100		✓	Monitor Well 9	2					2											38679

Temp. 30c

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	DATE/TIME	RELINQUISHED BY: (PRINT)	(SIGN)	RECEIVED BY: (PRINT)	(SIGN)
Tony Russell	Tony Russell	2/6/09 0745	Kathy Farris	Kathy Farris					

DISTRIBUTIONS: White and Yellow copies accompany sample shipment to laboratory; Yellow copy retained by laboratory
White copy is returned to samplers; Pink copy retained by samplers.

09/07

Gulf States Creosote

Sample I.D. AA38677 (continued):

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **MW 18**
SAMPLE_LOCATION **MW 18**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	03/23/2009
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	03/23/2009
Extract For PAH	3520	02/11/2009

Sample I.D. AA38678
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **DALLISON**
Collection date: **02/05/2009**
Lab submittal date: **02/06/2009**
Due date: **02/06/2009**
Matrix: **GROUNDWATER**

Login record file: **090206075440**

Collection time: **10:15**
Lab submittal time: **07:48**

Division Code: **3047**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **MW 8**
SAMPLE_LOCATION **MW 8**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	03/24/2009
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	03/24/2009
Extract For PAH	3520	02/12/2009

Sample I.D. AA38679
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **DALLISON**
Collection date: **02/05/2009**
Lab submittal date: **02/06/2009**
Due date: **02/06/2009**
Matrix: **GROUNDWATER**

Login record file: **090206075440**

Collection time: **11:00**
Lab submittal time: **07:48**

Division Code: **3047**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **MW 9**
SAMPLE_LOCATION **MW 9**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____

Sample I.D. AA38679 (continued):

LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	03/24/2009
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	03/24/2009
Extract For PAH	3520	02/12/2009

Please refer to the indicated sample I.D. numbers whan making inquiries.

Received by: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code Lowndes NPDES Permit No. _____
Discharge No. _____ Date Requested 2/6/09
Sample Point Identification MW-15
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By D. Allison
Where Taken Monitor Well - 15

	Type	Parameters	Preservative	Date	Time
1.	Grab	PAHs	Ice	2/4/09	0900
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Kathy Fowler Date 2-6-09 Time 0745
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level Analysis

*Date of Test Initiation

3647 38677

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code _____ NPDES Permit No. _____
Discharge No. _____ Date Requested 2/6/09
Sample Point Identification MW-B
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By D. Akers
Where Taken Monitor Well - 3

	Type	Parameters	Preservative	Date	Time
1.	Groundwater	PAHs	Ice	2/4/09	1015
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By Kathy Fannin Date 2-6-09 Time 0745
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Two last Analyses

*Date of Test Initiation

3047 38678

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code _____ NPDES Permit No. _____
Discharge No. _____ Date Requested 2/6/09
Sample Point Identification MW-9
Requested By T Russell Data To T Russell
Type of Sample: Grab ( ) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By D Allison
Where Taken Monitor Well-9

	Type	Parameters	Preservative	Date	Time
1.	groundwater	PAH	Ice	2/5/09	1100
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By Kathy Farmer Date 2-6-09 Time 0745
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level Analysis

*Date of Test Initiation

3047

38679

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: TONY RUSSELL		Study:	GARD
		County:	
		Basin:	
Sample ID:	AA38677	QA Type:	
Location Name:	GULF STATE CREOSOTE	Division Code:	3047
Location Description:	MW 18	Requested By:	TONY RUSSELL
		Date Collected:	02/04/2009
Location Code:	C0350009	Time Collected:	09:00
Other No.:	MW 18	Sample Collector:	DALLISON
Permit No.:		Delivery Mode:	SV
Discharge No.:		Received at Lab by:	KATHY FARRIS
Master AI No.:	0	Date Received at Lab:	02/06/2009
Latitude:		Time Received at Lab:	0745
Longitude:			

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
2-Methylnaphthalene	8270	<MQL	µg/L	10	JSHELL
Acenaphthene	8270	<MQL	µg/L	10	JSHELL
Acenaphthylene	8270	<MQL	µg/L	10	JSHELL
Anthracene	8270	<MQL	µg/L	10	JSHELL
Benao(a)pyrene	8270	<MQL	µg/L	10	JSHELL
Benzo(a)anthracene	8270	<MQL	µg/L	10	JSHELL
Benzo(b)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Benzo(g,h,i)perylene	8270	<MQL	µg/L	20	JSHELL
Benzo(k)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Chrysene	8270	<MQL	µg/L	10	JSHELL
Dibenz(a,h)anthracene	8270	<MQL	µg/L	20	JSHELL
Fluoranthene	8270	<MQL	µg/L	10	JSHELL
Fluorene	8270	Trace 2.91	µg/L	10	JSHELL
Indeno(1,2,3,cd)pyrene	8270	<MQL	µg/L	20	JSHELL
Naphthalene	8270	Trace 1.90	µg/L	10	JSHELL
Phenanthrene	8270	Trace 2.99	µg/L	10	JSHELL
Pyrene	8270	<MQL	µg/L	10	JSHELL
2-Flurobiphenyl	8270	82	%	20	JSHELL

Nitrobenzene-d5	8270	82	%	17	JSHELL
p-Terphenyl-d14	8270	84	%	25	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

SAMPLE COMMENTS

COLLECTOR: DICKY ALLISON AND STEVE LUTON - FIELD CONSUTANT
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 03/20/2009

Validated By

Date Report Printed 03/20/2009

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 2/6/09
Sample Point Identification MW-18
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By D. Allison
Where Taken Monitor Well - 18

	Type	Parameters	Preservative	Date	Time
1.	groundwater	PAHs	Ice	2/4/09	0900
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By Kathy Farris Date 2-6-09 Time 0745
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level Analysis

*Date of Test Initiation

3047

38677

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: TONY RUSSELL		Study:	GARD
		County:	
		Basin:	
Sample ID:	AA38679	QA Type:	
Location Name:	GULF STATE CREOSOTE	Division Code:	3047
Location Description:	MW 9	Requested By:	TONY RUSSELL
		Date Collected:	02/05/2009
Location Code:	C0350009	Time Collected:	11:00
Other No.:	MW 9	Sample Collector:	DALLISON
Permit No.:		Delivery Mode:	SV
Discharge No.:		Received at Lab by:	KATHY FARRIS
Master AI No.:	0	Date Received at Lab:	02/06/2009
Latitude:		Time Received at Lab:	0745
Longitude:			

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
2-Methylnaphthalene	8270	86.6	µg/L	10	JSHELL
Acenaphthene	8270	91.6	µg/L	10	JSHELL
Acenaphthylene	8270	Trace 3.64	µg/L	10	JSHELL
Anthracene	8270	Trace 5.42	µg/L	10	JSHELL
Benao(a)pyrene	8270	<MQL	µg/L	10	JSHELL
Benzo(a)anthracene	8270	<MQL	µg/L	10	JSHELL
Benzo(b)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Benzo(g,h,i)perylene	8270	<MQL	µg/L	20	JSHELL
Benzo(k)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Chrysene	8270	<MQL	µg/L	10	JSHELL
Dibenz(a,h)anthracene	8270	<MQL	µg/L	20	JSHELL
Fluoranthene	8270	Trace 5.67	µg/L	10	JSHELL
Fluorene	8270	58.3	µg/L	10	JSHELL
Indeno(1,2,3,cd)pyrene	8270	<MQL	µg/L	20	JSHELL
Naphthalene	8270	*526	µg/L	10	JSHELL
Phenanthrene	8270	43.5	µg/L	10	JSHELL
Pyrene	8270	Trace 2.85	µg/L	10	JSHELL
2-Flurobiphenyl	8270	87	%	20	JSHELL

Nitrobenzene-d5	8270	113	%	17	JSHELL
p-Terphenyl-d14	8270	54	%	25	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

SAMPLE COMMENTS

COLLECTOR: DICKY ALLISON AND STEVE LUTON - FIELD CONSUTANT
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 03/20/2009

Validated By

Date Report Printed 03/20/2009

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code _____ NPDES Permit No. _____
Discharge No. _____ Date Requested 2/6/09
Sample Point Identification MW-9
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By D Aiken
Where Taken Monitor Well-9

	Type	Parameters	Preservative	Date	Time
1.	grab water	PAHs	Ice	2/5/09	1100
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By Kathy Farris Date 2-6-09 Time 0795
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level Analysis

*Date of Test Initiation

3047

38679

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: TONY RUSSELL		Study:	GARD
		County:	
		Basin:	
Sample ID:	AA38678	QA Type:	
Location Name:	GULF STATE CREASOTE	Division Code:	3047
Location Description:	MW 8	Requested By:	TONY RUSSELL
		Date Collected:	02/04/2009
Location Code:	C0350009	Time Collected:	10:15
Other No.:	MW 8	Sample Collector:	DALLISON
Permit No.:		Delivery Mode:	SV
Discharge No.:		Received at Lab by:	KATHY FARRIS
Master AI No.:	0	Date Received at Lab:	02/06/2009
Latitude:		Time Received at Lab:	0745
Longitude:			

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
2-Methylnaphthalene	8270	<MQL	µg/L	10	JSHELL
Acenaphthene	8270	<MQL	µg/L	10	JSHELL
Acenaphthylene	8270	<MQL	µg/L	10	JSHELL
Anthracene	8270	<MQL	µg/L	10	JSHELL
Benao(a)pyrene	8270	<MQL	µg/L	10	JSHELL
Benzo(a)anthracene	8270	<MQL	µg/L	10	JSHELL
Benzo(b)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Benzo(g,h,i)perylene	8270	<MQL	µg/L	20	JSHELL
Benzo(k)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Chrysene	8270	<MQL	µg/L	10	JSHELL
Dibenz(a,h)anthracene	8270	<MQL	µg/L	20	JSHELL
Fluoranthene	8270	<MQL	µg/L	10	JSHELL
Fluorene	8270	<MQL	µg/L	10	JSHELL
Indeno(1,2,3,cd)pyrene	8270	<MQL	µg/L	20	JSHELL
Naphthalene	8270	<MQL	µg/L	10	JSHELL
Phenanthrene	8270	<MQL	µg/L	10	JSHELL
Pyrene	8270	<MQL	µg/L	10	JSHELL
2-Flurobiphenyl	8270	85	%	20	JSHELL

Nitrobenzene-d5	8270	85	%	17	JSHELL
p-Terphenyl-d14	8270	85	%	25	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter
mg/L: milligrams/Liter
mg/kg: milligrams/kilogram
ug/g: micrograms/gram
ppm: parts per million
ppb: parts per billion

<: less than
MCL: Maximum Contaminant Level
MDL: Method Detection Limit
LSPC: result less than lower specification
USPC: result greater than upper specification
TIE: Tentatively Identified or Estimated

>: greater than
z: surrogate
COC Date: Date Chain of Custody Signed
COC TIME: Time Chain of Custody

SAMPLE COMMENTS

COLLECTOR: DICKY ALLISON AND STEVE LUTON - FIELD CONSUTANT
REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 03/20/2009

Validated By

Date Report Printed 03/20/2009

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code _____ NPDES Permit No. _____
Discharge No. _____ Date Requested 2/6/09
Sample Point Identification MW-8
Requested By T Russell Data To T Russell
Type of Sample: Grab (✓) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By D. Allison
Where Taken Monitor Well - 8

	Type	Parameters	Preservative	Date	Time
1.	groundwater	PAH's	Ice	2/4/09	1015
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Kathy Farmer Date 2-6-09 Time 0745
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level Analysis

*Date of Test Initiation

3047 38678

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Chain of Custody Record

3858

OFFICE OF POLLUTION
CONTROL LABORATORY
1542 OLD WHITFIELD ROAD
PEARL, MS 39208-9186

PROJECT NAME: Gulf States Creosote

PROJECT LOCATION: West Pine St, Hattiesburg

REMARKS:

DATA TO: Tony Russell

ESD SAMPE TYPES
1. SURFACEWAER
2. GROUNDWATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

Sampler
A. Corey
B. Glen Jones
C.

ANALYSIS
(Circle/Add parameter desired. List no. of containers submitted.)

SAMPLE ID	Sample Type	2008 Date	Time	Comp	Grab	DESCRIPTION	TOTAL CONTAINERS	VOA	Semivolatiles	Pest/PCB's	Metals	PAH 8270	DRO	GRO	BTEX/MTBE					TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY
FS-9	6	12/3	1002		X	FS-9 0-2 ft interval	1					1											38178
FS-6	6	12/3	1250		X	FS-6 0-2 ft interval	1					1											38179

Temp 2.0°C ID

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	DATE/TIME	RELINQUISHED BY: (PRINT)	(SIGN)	RECEIVED BY: (PRINT)	(SIGN)
Tony Russell	Tony Russell	12/4/08 1125	Kimmy Stuyvesant						
RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	DATE/TIME	RELINQUISHED BY: (PRINT)	(SIGN)	RECEIVED BY: (PRINT)	(SIGN)

DISTRIBUTIONS: White and Yellow copies accompany sample shipment to laboratory; Yellow copy retained by laboratory
White copy is returned to samplers; Pink copy retained by samplers.

PAGE _____ OF _____

09/07

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Concrete
County Code Escambia NPDES Permit No. _____
Discharge No. _____ Date Requested 12/4/08
Sample Point Identification SS-9
Requested By T. Lieff Data To T. Lieff
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By G. Tanner
Where Taken Soil Sample Location 9 - 0-2 feet

	Type	Parameters	Preservative	Date	Time
1.	Soil	PAH	None	12/Dec	1107
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By Tom Davis Date 12.4.08 Time 1125
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

[redacted] #3858 [redacted] 38178

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Canada
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 12/4/08
Sample Point Identification F5-6
Requested By Peter Hoff Data To T Rutledge
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By G. Jones
Where Taken F-5 Outfall 0-2 Ext

	Type	Parameters	Preservative	Date	Time
1.	Grab	14 H	None	12/3/08	1250
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By James Davis Date 12-4-08 Time 1125
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3858 3879

Sample I.D. AA38179
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **GJONES**
Collection date: **12/03/2008**
Lab submittal date: **12/04/2008**
Due date: **12/04/2008**
Matrix: **SOIL**

Login record file: **081204114628**

Collection time: **12:50**
Lab submittal time: **11:42**

Division Code: **3858**

PERMIT_NO _____
DISCHARGE_NO _____
OTHER_NO **FS-6**
SAMPLE_LOCATION **FS 6**
REQUESTED_BY **TONY RUSSELL**
LATITUDE _____
LONGITUDE _____
DELIVERY_MODE **SV**

Analyses ordered	Method	Due Date
POLYNUCLEAR AROMATIC HYDROCARBONS S / F	8270	01/26/2009
POLYNUCLEAR AROMATIC HYDROCARBONS S / F	8270	01/26/2009
Extract For PAH in soil	3545	12/17/2008

Please refer to the indicated sample I.D. numbers whan making inquiries.

Received by: _____

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: TONY RUSSELL

Sample ID:	AA38179
Location Name:	GULF STATE CREOSOTE
Location Description:	FS 6
Location Code:	C0350009
Other No.:	FS-6
Permit No.:	
Discharge No.:	
Master AI No.:	0
Latitude:	
Longitude:	

Study:	GARD
County:	035 FORREST
Basin:	
QA Type:	
Division Code:	3858
Requested By:	TONY RUSSELL
Date Collected:	12/03/2008
Time Collected:	12:50
Sample Collector:	GJONES
Delivery Mode:	SV
Received at Lab by:	TAMMY SAWYER
Date Received at Lab:	12/04/2008
Time Received at Lab:	1125

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL
Acenaphthylene	8270	391	µg/kg	330	JSHELL
Anthracene	8270	500	µg/kg	330	JSHELL
Benzo(a)anthracene	8270	1330	µg/kg	330	JSHELL
Benzo(a)pyrene	8270	915	µg/kg	330	JSHELL
Benzo(b)fluoranthene	8270	1520	µg/kg	330	JSHELL
Benzo(g,h,i)perylene	8270	501	µg/kg	330	JSHELL
Benzo(k)fluoranthene	8270	609	µg/kg	330	JSHELL
Chrysene	8270	1360	µg/kg	330	JSHELL
Dibenz(a,h)anthracene	8270	<MQL	µg/kg	330	JSHELL
Fluoranthene	8270	2240	µg/kg	330	JSHELL
Fluorene	8270	<MQL	µg/kg	330	JSHELL
Indeno(1,2,3,cd)pyrene	8270	564	µg/kg	330	JSHELL
Naphthalene	8270	<MQL	µg/kg	330	JSHELL
Phenanthrene	8270	332	µg/kg	330	JSHELL
Pyrene	8270	2100	µg/kg	330	JSHELL
2-Fluorobiphenyl	8270	90	%	30-115	JSHELL

Nitrobenzene-d5	8270	86	%	23-120	JSHELL
p-Terphenyl-d14	8270	96	%	18-137	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

SAMPLE COMMENTS

WHERE TAKEN: LOCATION - 0-2 FEET
COLLECTOR: GLEN JONESL - FIELD CONSULTANT

REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 01/20/2009

Validated By

Date Report Printed 01/23/2009

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Canada
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 12/4/08
Sample Point Identification FS-6
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By G. Jones
Where Taken FS location 0-2 feet

	Type	Parameters	Preservative	Date	Time
1.	Soil	TAH	None	12/3/08	1250
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By Tommy Davis Date 12-4-08 Time 1125
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

#3858

38179

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control Laboratory
1542 Old Whitfield Road
Pearl MS 39208
601-961-5701

Sample Results

To: TONY RUSSELL		Study:	GARD
		County:	035 FORREST
Sample ID:	AA38178	Basin:	
Location Name:	GULF STATE CREOSOTE	QA Type:	
Location Description:	FS 9	Division Code:	3858
		Requested By:	TONY RUSSELL
Location Code:	C0350009	Date Collected:	12/03/2008
Other No.:	FS-9	Time Collected:	10:02
Permit No.:		Sample Collector:	GJONES
Discharge No.:		Delivery Mode:	SV
Master AI No.:	0	Received at Lab by:	TAMMY SAWYER
Latitude:		Date Received at Lab:	12/04/2008
Longitude:		Time Received at Lab:	1125

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST
2-Methylnaphthalene	8270	Trace 182	µg/kg	330	JSHELL
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL
Acenaphthylene	8270	1270	µg/kg	330	JSHELL
Anthracene	8270	1530	µg/kg	330	JSHELL
Benzo(a)anthracene	8270	2230	µg/kg	330	JSHELL
Benzo(a)pyrene	8270	2460	µg/kg	330	JSHELL
Benzo(b)fluoranthene	8270	4640	µg/kg	330	JSHELL
Benzo(g,h,i)perylene	8270	1610	µg/kg	330	JSHELL
Benzo(k)fluoranthene	8270	1720	µg/kg	330	JSHELL
Chrysene	8270	2810	µg/kg	330	JSHELL
Dibenz(a,h)anthracene	8270	399	µg/kg	330	JSHELL
Fluoranthene	8270	2970	µg/kg	330	JSHELL
Fluorene	8270	<MQL	µg/kg	330	JSHELL
Indeno(1,2,3,cd)pyrene	8270	1850	µg/kg	330	JSHELL
Naphthalene	8270	Trace 276	µg/kg	330	JSHELL
Phenanthrene	8270	493	µg/kg	330	JSHELL
Pyrene	8270	3290	µg/kg	330	JSHELL
2-Fluorobiphenyl	8270	93	%	30-115	JSHELL

Nitrobenzene-d5	8270	88	%	23-120	JSHELL
p-Terphenyl-d14	8270	96	%	18-137	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

SAMPLE COMMENTS

WHERE TAKEN: SOIL SAMPLE LOCATION 9 - 0-2 FEET
COLLECTOR: GLEN JONES - FIELD CONSULTANT

REMARKS: LOW LEVEL ANALYSIS

Sample Validation Date 01/20/2009

Validated By

Date Report Printed 01/23/2009

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Ko Gulf States Creosote
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 12/4/08
Sample Point Identification F5-9
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By G. Jones
Where Taken Soil Sample Location 9 - 0-2 feet

	Type	Parameters	Preservative	Date	Time
1.	Soil	PAH	None	12/3/08	1002
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By Tommy Davis Date 12-4-08 Time 1125
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3858

38178

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Timothy Lane Compliant
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested _____
Sample Point Identification _____
Requested By _____ Data To _____
Type of Sample: Grab ( ) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition Cool & Clear Collected By EBAG
Where Taken Ditch on Timothy Lane

	Type	Parameters	Preservative	Date	Time
1.	GRAB	Semi-Volanles	Cool	10/16/07	1030
2.	GRAB	Hydrocarbon ID	Cool		
3.	GRAB	METALS	Cool		
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____

V. LABORATORY: Received By Deborah Jurnagz Date 11-2007 Time 1004
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

34768

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	ERIC BASS	Study:	COMPLAINT
		QA Type:	
		Date Collected:	11/16/2007
Sample ID:	AA34768	Time Collected:	10:30
Facility Name:	TIMOTHY LANE	Sample Collector:	EBASS
Sampling Loc:	DITCH ON TIMOTHY LANE	To Lab:	DOUGLAS
Location ID:		Sample Type:	SOIL
Site ID:	COMPLAINT	Received By:	DEBORAH TURNAGE
Discharge No		Date Received:	11/20/2007
Other No:		Time Received:	1004
Permit No:		Project:	3700
Latitude:		Hydrologic Data	
Longitude:		Tape Reading (ft):	
County:	035 FORREST	+ Ding Whap (ft):	
Basin:		= Tape Down (ft):	
HUC:			

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
Silver, Total in Soil	200.7	<MQL	ug/g	1.0	BBRUCE
Arsenic, Total in Soil	200.7	6.40	ug/g	2.50	BBRUCE
Barium, Total in Soil	200.7	24.5	ug/g	2.5	BBRUCE
Cadmium, Total in Soil	200.7	<MQL	ug/g	1.0	BBRUCE
Chromium, Total in Soil	200.7	3.51	ug/g	0.05	BBRUCE
Lead, Total in Soil	200.7	8.65	ug/g	0.5	BBRUCE
Selenium, Total in Soil	200.7	<MQL	ug/g	1.0	BBRUCE
Mercury, Total in Soil	245.1	<MQL	ug/g	0.05	BBRUCE
Benzene	8260S	<MQL	µg/kg	200	BBATES
Ethylbenzene	8260S	<MQL	µg/kg	200	BBATES
m & p xylene	8260S	365 trace	µg/kg	400	BBATES
Methyl tertiary butyl ether	8260S	<MQL	µg/kg	200	BBATES
o-xylene	8260S	275	µg/kg	200	BBATES
Toluene	8260S	25 trace	µg/kg	200	BBATES
1,2-Dichloroethane-d4	8260S	124*	%	80-120	BBATES
Dibromofluromethane	8260S	110	%	80-118	BBATES
p-Bromoflurobenzene	8260S	101	%	80-115	BBATES
Toluene-d8	8260S	96	%	80-118	BBATES
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
1,2-Dichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
1,3-Dichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
1,4-Dichlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	16000	JSHELL
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dichlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dimethylphenol	8270	<MQL	µg/kg	3300	JSHELL

2,4-Dinitrophenol	8270	<MQL	µg/kg	3300	JSHELL
2,4-Dinitrotoluene	[redacted]	<MQL	[redacted]	16000	JSHELL
2,6-Dinitrotoluene	[redacted]	<MQL	[redacted]	3300	JSHELL
2-Chloronaphthalene	8270	<MQL	µg/kg	3300	JSHELL
2-Chlorophenol	8270	<MQL	µg/kg	3300	JSHELL
2-Methylnaphthalene	8270	26000	µg/kg	3300	JSHELL
2-Methylphenol	8270	<MQL	µg/kg	3300	JSHELL
2-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
2-Nitrophenol	8270	<MQL	µg/kg	3300	JSHELL
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	6600	JSHELL
3-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	16000	JSHELL
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	3300	JSHELL
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	3300	JSHELL
4-Chloroaniline	8270	<MQL	µg/kg	3300	JSHELL
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	3300	JSHELL
4-Methylphenol	8270	<MQL	µg/kg	3300	JSHELL
4-Nitroaniline	8270	<MQL	µg/kg	16000	JSHELL
4-Nitrophenol	8270	<MQL	µg/kg	16000	JSHELL
Acenaphthene	8270	<MQL	µg/kg	3300	JSHELL
Acenaphthylene	8270	<MQL	µg/kg	3300	JSHELL
Anthracene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[a]anthracene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[a]pyrene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[b]fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	3300	JSHELL
Benzo[k]fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Benzoic Acid	8270	<MQL	µg/kg	16000	JSHELL
Benzyl alcohol	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	3300	JSHELL
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	3300	JSHELL
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	3300	JSHELL
Butylbenzylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Carbazole	8270	<MQL	µg/kg	3300	JSHELL
Chrysene	8270	<MQL	µg/kg	3300	JSHELL
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	3300	JSHELL
Dibenzofuran	8270	<MQL	µg/kg	3300	JSHELL
Diethylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Dimethylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Di-n-butylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Di-n-octylphthalate	8270	<MQL	µg/kg	3300	JSHELL
Fluoranthene	8270	<MQL	µg/kg	3300	JSHELL
Fluorene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorobenzene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorobutadiene	8270	<MQL	µg/kg	3300	JSHELL
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	3300	JSHELL
Hexachloroethane	8270	<MQL	µg/kg	3300	JSHELL
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/kg	3300	JSHELL
Isophorone	8270	<MQL	µg/kg	3300	JSHELL
Naphthalene	8270	14900	µg/kg	3300	JSHELL
Nitrobenzene	8270	<MQL	µg/kg	3300	JSHELL
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	3300	JSHELL
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	3300	JSHELL
Pentachlorophenol	8270	<MQL	µg/kg	6600	JSHELL
Phenanthrene	8270	<MQL	µg/kg	3300	JSHELL
Phenol	8270	<MQL	µg/kg	3300	JSHELL
Pyrene	8270	Trace 2710	µg/kg	3300	JSHELL
2,4,6-Tribromophenol	8270	49	%	19-122	JSHELL
2-Fluorobiphenyl	8270	63	%	30-115	JSHELL
2-Fluorophenol	8270	30	%	25-121	JSHELL

Nitrobenzene-d5	8270	77	%	23-120	JSHELL
Phenol-d5	8270	34	%	24-113	JSHELL
p-Terphenyl-d14	8270	52	%	18-137	JSHELL
o-terphenyll	EPA PROPOSED	Diluted Out	%	51-135	ESCARBROUGH
Diesel Range Organics in Soil	EPA PROPOSED	30100000*	µg/kg	4000	ESCARBROUGH

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MQL: Maximum Quantifiable Level	
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	
ug/g: micrograms/gram	LSPC: result less than lower specification	
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) This extract is highly contaminated with a homologous series of aliphatic hydrocarbons (C11 - C25).

2) This extract also contains lower levels of substituted benzenes which may indicate the presence of gasoline

3) Other PAH's may be present in the extract but no representative mass spectra could be obtained due to the extreme contamination by the hydrocarbons JES

*DRO: Sample matches the chromatographic pattern of diesel fuel ES

*BTEX: 1,2-Dichloroethane-D4 outside method limits. BB

Validated By:

Validation Date: 01/09/2008

Date Report Printed: 01/09/2008

Cooler Temp: -3.02 DY
#3047

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Chain of Custody Record

OFFICE OF POLLUTION
CONTROL LABORATORY
1542 OLD WHITFIELD ROAD
PEARL, MS 39208-9186

PROJECT NAME: Gulf States Creosote

PROJECT LOCATION: Hattiesburg, Ms.

REMARKS:

DATA TO: Tony Russell

ESD SAMPE TYPES

1. SURFACEWAER
2. GROUNDWATER
3. POTABLE WATER
4. WASTEWATER
5. LEACHATE
6. SOIL/SEDMENT
7. SLUDGE
8. WASTE
9. AIR
10. FISH
11. OTHER

Sampler
A. Brad Blalock
B.
C.

SAMPLE ID	Sample Type	2007 Date	Time	Comp	Grab	DESCRIPTION	TOTAL CONTAINERS	ANALYSIS (Circle/Add parameter desired. List no. of containers submitted.) VOA	Semivolatiles	Pest/PCB's	Metals	PAH	DRO	GRO	BTEX/MTBE	TAG NO./REMARKS:	Custody Seals Intact at Lab	Seals Not Intact upon Receipt by Lab	LAB USE ONLY
MW-15	2	12/4	0910		X	Monitor Well #15	2		2										34850
MW-9R	2	12/4	1015		X	Monitor Well 9R	2		2							odor			34851

RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	RECEIVED BY: (PRINT)
Tony Russell	12/5/07 0715	DEBORAH TURNAGE			
(SIGN) Tony Russell		(SIGN) Deborah Turnage		(SIGN)	(SIGN)
RELINQUISHED BY: (PRINT)	DATE/TIME	RECEIVED BY: (PRINT)	DATE/TIME	RELINQUISHED BY: (PRINT)	RECEIVED BY: (PRINT)
(SIGN)		(SIGN)		(SIGN)	(SIGN)

DISTRIBUTIONS: White and Yellow copies accompany sample shipment to laboratory; Yellow copy retained by laboratory
White copy is returned to samplers; Pink copy retained by samplers.

09/07

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Fort Stanton Concrete
County Code _____ NPDES Permit No. _____
Discharge No. _____ Date Requested 12/5/07
Sample Point Identification new-1
Requested By _____ Data To _____
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By B. Blalock
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Grab	PAHs	Ice	12/5/07	0716
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Jennings Date 12/5/07 Time 0915
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Fort Stanton Analysis

*Date of Test Initiation

3012 34850

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Coal Creek
County Code _____ NPDES Permit No. _____
Discharge No. _____ Date Requested _____
Sample Point Identification MW-7R
Requested By T. Rusk Data To T. Rusk
Type of Sample: Grab ( ) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By B. Slack
Where Taken MW-7R well

	Type	Parameters	Preservative	Date	Time
1.	ground water	PAHs	ice	12/4/07	1015
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Lussier Date 12/5/07 Time 0715
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks PAH analysis

*Date of Test Initiation

30 47 34851

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA34850
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **BBLALOCK**
Collection date: **12/04/2007**
Lab submittal date: **12/05/2007**
Due date: **12/05/2007**
Matrix: **GROUNDWATER**

Login record file: **071205072941**

Collection time: **09:10**
Lab submittal time: **07:17**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **MW 15**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	01/20/2008
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	01/20/2008
Extract For PAH	3520	12/11/2007

Sample I.D. AA34851
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **BBLALOCK**
Collection date: **12/04/2007**
Lab submittal date: **12/05/2007**
Due date: **12/05/2007**
Matrix: **GROUNDWATER**

Login record file: **071205072941**

Collection time: **10:15**
Lab submittal time: **07:17**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **MW 9R**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	01/20/2008
POLYNUCLEAR AROMATIC HYDROCARBONS (PAH)	8270	01/20/2008
Extract For PAH	3520	12/11/2007

Please refer to the indicated sample I.D. numbers whan making inquiries.

Received by: _____

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Study:	GARD
		QA Type:	
		Date Collected:	12/04/2007
Sample ID:	AA34851	Time Collected:	10:15
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	BBLALOCK
Sampling Loc:	MW 9R	To Lab:	SV
Location ID:		Sample Type:	GROUNDWATER
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		Date Received:	12/05/2007
Other No:		Time Received:	0715
Permit No:		Project:	3047
Latitude:		Hydrologic Data	
Longitude:		Tape Reading (ft):	
County:	035 FORREST	+ Ding Whap (ft):	
Basin:		= Tape Down (ft):	
HUC:			

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
2-Methylnaphthalene	8270	43.4	µg/L	10	JSHELL
Acenaphthene	8270	84.8	µg/L	10	JSHELL
Acenaphthylene	8270	Trace	µg/L	10	JSHELL
		3.21			
Anthracene	8270	Trace	µg/L	10	JSHELL
		4.94			
Benao(a)pyrene	8270	<MQL	µg/L	10	JSHELL
Benzo(a)anthracene	8270	<MQL	µg/L	10	JSHELL
Benzo(b)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Benzo(g,h,i)perylene	8270	<MQL	µg/L	20	JSHELL
Benzo(k)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Chrysene	8270	<MQL	µg/L	10	JSHELL
Dibenz(a,h)anthracene	8270	<MQL	µg/L	20	JSHELL
Fluoranthene	8270	Trace	µg/L	10	JSHELL
		5.41			
Fluorene	8270	54.6	µg/L	10	JSHELL
Indeno(1,2,3,cd)pyrene	8270	<MQL	µg/L	20	JSHELL
Naphthalene	8270	*422	µg/L	10	JSHELL
Phenanthrene	8270	38.1	µg/L	10	JSHELL
Pyrene	8270	Trace	µg/L	10	JSHELL
		2.56			
2-Flurobiphenyl	8270	105	%	20-135	JSHELL
Nitrobenzene-d5	8270	129	%	17-134	JSHELL
p-Terphenyl-d14	8270	68	%	25-140	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MQL: Maximum Quantifiable Level	
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	
ug/g: micrograms/gram	LSPC: result less than lower specification	
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

REMARKS: LOW LEVEL ANALYSIS

Semi-Vol:

1) Note - The instrumental value of the compound Naphthalene exceeded the highest point on the calibration curve and the reported value should be considered a estimated concentration. JES

Validated By: _____

Validation Date: 12/28/2007

Date Report Printed: 12/28/2007

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Concrete
County Code Former — NPDES Permit No. _____
Discharge No. _____ Date Requested _____
Sample Point Identification MW-9R
Requested By T. Russell — Data To Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By B. Blalock
Where Taken Monitor Well 9R

	Type	Parameters	Preservative	Date	Time
1.	ground water	PAHs	Ice	12/4/07	0115
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Luvera — Date 12/5/07 — Time 0715
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level analysis

*Date of Test Initiation

3047 34851

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Study:	GARD
		QA Type:	
		Date Collected:	12/04/2007
Sample ID:	AA34850	Time Collected:	09:10
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	BBLALOCK
Sampling Loc:	MW 15	To Lab:	SV
Location ID:		Sample Type:	GROUNDWATER
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		Date Received:	12/05/2007
Other No:		Time Received:	0715
Permit No:		Project:	3047
Latitude:		Hydrologic Data	
Longitude:		Tape Reading (ft):	
County:	035 FORREST	+ Ding Whap (ft):	
Basin:		= Tape Down (ft):	
HUC:			

ANALYTE	METHOD	RESULT	UNITS	MQL	ANALYST
2-Methylnaphthalene	8270	<MQL	µg/L	10	JSHELL
Acenaphthene	8270	Trace	µg/L	10	JSHELL
Acenaphthylene	8270	1.44 <MQL	µg/L	10	JSHELL
Anthracene	8270	<MQL	µg/L	10	JSHELL
Benao(a)pyrene	8270	<MQL	µg/L	10	JSHELL
Benzo(a)anthracene	8270	<MQL	µg/L	10	JSHELL
Benzo(b)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Benzo(g,h,i)perylene	8270	<MQL	µg/L	20	JSHELL
Benzo(k)fluoranthene	8270	<MQL	µg/L	10	JSHELL
Chrysene	8270	<MQL	µg/L	10	JSHELL
Dibenz(a,h)anthracene	8270	<MQL	µg/L	20	JSHELL
Fluoranthene	8270	<MQL	µg/L	10	JSHELL
Fluorene	8270	Trace	µg/L	10	JSHELL
Indeno(1,2,3,cd)pyrene	8270	1.32 <MQL	µg/L	20	JSHELL
Naphthalene	8270	<MQL	µg/L	10	JSHELL
Phenanthrene	8270	<MQL	µg/L	10	JSHELL
Pyrene	8270	<MQL	µg/L	10	JSHELL
2-Flurobiphenyl	8270	89	%	20-135	JSHELL
Nitrobenzene-d5	8270	83	%	17-134	JSHELL
p-Terphenyl-d14	8270	73	%	25-140	JSHELL

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MQL: Maximum Quantifiable Level	
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	
ug/g: micrograms/gram	LSPC: result less than lower specification	
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion	TIE: Tentatively Identified or Estimated	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

REMARKS: LOW LEVEL ANALYSIS

Validated By: 

Validation Date: 12/28/2007

Date Report Printed: 12/28/2007

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code Forrest NPDES Permit No. _____
Discharge No. _____ Date Requested 12/5/07
Sample Point Identification MW-15
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By B. Blalock
Where Taken monitor well 15

	Type	Parameters	Preservative	Date	Time
1.	groundwater	PAHs	Ice	12/4/07	0910
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Jumrage Date 12/5/07 Time 0715
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks Low level Analysis

*Date of Test Initiation

3047 34850

#3047 Cooler Temp: 1.0°C

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHAIN OF CUSTODY RECORD

POLLUTION CONTROL LABORATORY
121 Fairmont Plaza
Pearl, Mississippi 39208

PROJECT NAME: Gulf State Geosote
LOCATION: Hattiesburg

SHIPPED TO:

DATA TO: Tony Russell

SAMPLE TYPES
1. SURFACE WATER 6. SOIL/SEDIMENT
2. GROUND WATER 7. SLUDGE
3. POTABLE WATER 8. WASTE
4. WASTEWATER 9. AIR
5. LEACHATE 10. FISH
11. OTHER

SAMPLERS (SIGN)
A. Tony Russell
B.
C.
D.

SITE NO.	SAMPLE TYPE	DATE	TIME	COMP	GRAB	STATION LOCATION/DESCRIPTION	TOTAL CONTAINERS	CIRCLE/ADD parameter desired. List no. of containers submitted. ANALYSIS: COD, TOC, NUTRIENTS	BOD, SOLIDS	METALS (Total) (TCLP)	EXT. ORG/PEST/PCBs (TCLP)	PURG. AROMATICS/ HALOCARBONS	CYANIDE	FECAL COLIFORM	OIL & Grease/TPH	Phenolics	Semi-VOCs	REMARKS	LAB USE ONLY
	6	4/24	12:15		X	SLGSC Woods #1	1									1			33040
	6	4/24	12:20		X	GSC Woods #2	1									1			33041
	6	4/24	12:25		X	GSC Woods #3	1									1			33042
	6	4/24	12:30		X	GSC Woods #4	1									1			33043
	6	4/24	12:35		X	GSC Woods #5	1									1			33044
	6	4/24	12:40		X	GSC Woods #6	1									1			33045
																			330 QT

RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)
Tony Russell	Tony Russell	4/25/24 07:45AM	DEBORAH TURNAGE	Deborah Turnage					
RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)	RELINQUISHED BY: (PRINT)	(SIGN)	DATE/TIME	RECEIVED BY: (PRINT)	(SIGN)

NOTICE: Must use a separate form for each ice chest.

DISTRIBUTION: White and Yellow copies accompany sample shipment to lab; Yellow copy retained by lab; White copy is returned to samplers; Pink copy retained by samplers.

PAGE _____ OF _____ 3/91

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Concrete
County Code 075 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/5/87
Sample Point Identification Effluent #1
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken Effluent #1

	Type	Parameters	Preservative	Date	Time
1.	Sm	P220	Ice	4/4/87	1415
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By Deborah Tussay Date 4/23/87 Time 0923
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l	*	
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 33040

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code 033 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification GSC - Woods #2
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.		8270	Ice	4/24/07	1420
2.	Soil				
3.					
4.					
5.					

II. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Turnage Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 33041

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Canada
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25
Sample Point Identification GSC Woods #3
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Surf	8270	ICE	4/24/87	1125
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Swoope Date 4/25/87 Time 0723
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 23042

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Corp.
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/83
Sample Point Identification GSC - Outfall #4
Requested By J. Burrell Data To T. Lewis
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T. Lewis
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Soil	8270	Ice	4/26/83	1430
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Talbert Date 4/29/83 Time 0025
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 33043

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Concrete
County Code 031 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/27/87
Sample Point Identification GSC pond #5
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Sol	8270	Ice	4/24/87	1235
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )
V. LABORATORY: Received By Delores Jennings Date 4/28/87 Time 0825
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 33044

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Cruiseb
County Code 033 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification Gulf Power #6
Requested By T Rivell Data To T Rivell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Rivell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.					
2.	Sed	8270	Ice	4/24/07	1240
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Murray Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l	*	
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047

33045

Sample I.D. AA33044
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **TRUSSELL**
Collection date: **04/24/2007**
Lab submittal date: **04/25/2007**
Due date: **04/25/2007**
Matrix: **SOIL**

Login record file: **070425073848**

Collection time: **12:35**
Lab submittal time: **07:29**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **GSC WOODS #5**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	06/17/2007
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	06/17/2007
Extract For Semi-Volatile Analysis	3520	05/08/2007

Sample I.D. AA33045
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **TRUSSELL**
Collection date: **04/24/2007**
Lab submittal date: **04/25/2007**
Due date: **04/25/2007**
Matrix: **SOIL**

Login record file: **070425073848**

Collection time: **12:40**
Lab submittal time: **07:29**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **GSC WOODS #6**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	06/17/2007
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	06/17/2007
Extract For Semi-Volatile Analysis	3520	05/08/2007

Please refer to the indicated sample I.D. numbers whan making inquiries.

Received by: _____

Sample Receipt

Mississippi DEQ/OPC Laboratory

Sample I.D. AA33040
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **TRUSSELL**
Collection date: **04/24/2007**
Lab submittal date: **04/25/2007**
Due date: **04/25/2007**
Matrix: **SOIL**

Login record file: **070425073848**

Collection time: **12:15**
Lab submittal time: **07:28**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **GSC WOODS #1**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	06/17/2007
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	06/17/2007
Extract For Semi-Volatile Analysis	3520	05/08/2007

Sample I.D. AA33041
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **TRUSSELL**
Collection date: **04/24/2007**
Lab submittal date: **04/25/2007**
Due date: **04/25/2007**
Matrix: **SOIL**

Login record file: **070425073848**

Collection time: **12:20**
Lab submittal time: **07:29**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **GSC WOODS #2**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	06/17/2007
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	06/17/2007
Extract For Semi-Volatile Analysis	3520	05/08/2007

Sample I.D. AA33042
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **TRUSSELL**
Collection date: **04/24/2007**
Lab submittal date: **04/25/2007**
Due date: **04/25/2007**
Matrix: **SOIL**

Login record file: **070425073848**

Collection time: **12:25**
Lab submittal time: **07:29**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **GSC WOODS #3**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	06/17/2007
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	06/17/2007
Extract For Semi-Volatile Analysis	3520	05/08/2007

Sample I.D. AA33043
Location code **C0350009**
Location Description **GULF STATE CREASOTE**
Sample collector **TRUSSELL**
Collection date: **04/24/2007**
Lab submittal date: **04/25/2007**
Due date: **04/25/2007**
Matrix: **SOIL**

Login record file: **070425073848**

Collection time: **12:30**
Lab submittal time: **07:29**

Division Code: **3047**

STUDY _____
PERMIT_NO _____
DISCHARGE_NO _____
WADES_NO _____
OTHER_NO _____
SAMPLE_LOCATION **GSC WOODS #4**
COUNTY_CODE _____
REQUESTED_BY **TONY RUSSELL**

Analyses ordered	Method	Due Date
SEMIVOLATILE ORGANICS SOIL/FISH	8270	06/17/2007
SEMIVOLATILE ORGANICS SOIL / FISH SURR	8270	06/17/2007
Extract For Semi-Volatile Analysis	3520	05/08/2007

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Sample Level:	
		QA Type:	
		Date Collected:	04/24/2007
Sample ID:	AA33040	Time Collected:	12:15
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	TRUSSELL
Sampling Loc:	GSC WOODS #1	To Lab:	SV
Location ID:		Sample Type:	SOIL
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		LIMS Login Date:	04/25/2007
Other No:		LIMS Login Time:	07:28
Permit No:		COC Date:	04/25/2007
Latitude:		COC Time:	0725
Longitude		Project:	3047
County:		Study:	
Percent Clouds:			
Air Temp.:			
Recent Rain:		Reporting Date:	05/09/2007

Hydrological Data	
Tape Reading (ft):	Bridge Effects:
+ Ding Whap (ft):	Watershed Observations:
= Tape Down (ft):	Photograph ID: Disk #:
	Photograph ID: Picture #:
	Photograph Description:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007

2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Acenaphthylene	8270	Trace (194)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Anthracene	8270	Trace (296)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]pyrene	8270	370	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[b]fluoranthene	8270	651	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[k]fluoranthene	8270	Trace (284)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Carbazole	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Chrysene	8270	331	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenz[a,h]anthracene	8270	Trace (272)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Diethylphthalate	8270	*928	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluoranthene	8270	Trace (183)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluorene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Indeno[1,2,3-cd]pyrene	8270	Trace (305)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Isophorone	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Naphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
Phenanthrene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Phenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pyrene	8270	Trace (294)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,6-Tribromophenol	8270	72	%	19-122	JSHELL	05/02/2007	05/08/2007
2-Fluorobiphenyl	8270	74	%	30-115	JSHELL	05/02/2007	05/08/2007
2-Fluorophenol	8270	50	%	25-121	JSHELL	05/02/2007	05/08/2007
Nitrobenzene-d5	8270	75	%	23-120	JSHELL	05/02/2007	05/08/2007
Phenol-d5	8270	61	%	24-113	JSHELL	05/02/2007	05/08/2007

p-Terphenyl-d14	8270	72	%	18-137	JSHELL	05/02/2007	05/08/2007

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper specification	
ppb: parts per billion		

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) * The Blank for this extraction set contains

676 ug/Kg Diethylphthalate. JES

Approved By: D. R.

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification GSC - Weeks #1
Requested By T Rivers Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken GSC Weeks #1

	Type	Parameters	Preservative	Date	Time
1.	Soil	B270	Ice	4/24/07	1115
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Murray Date 4/25/07 Time 0925
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047

33040

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Sample Level:	
		QA Type:	
		Date Collected:	04/24/2007
Sample ID:	AA33041	Time Collected:	12:20
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	TRUSSELL
Sampling Loc:	GSC WOODS #2	To Lab:	SV
Location ID:		Sample Type:	SOIL
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		LIMS Login Date:	04/25/2007
Other No:		LIMS Login Time:	07:29
Permit No:		COC Date:	04/25/2007
Latitude:		COC Time:	0725
Longitude:		Project:	3047
County:		Study:	
Percent Clouds:			
Air Temp.:			
Recent Rain:		Reporting Date:	05/09/2007

Hydrological Data	
Tape Reading (ft):	Bridge Effects:
+ Ding Whap (ft):	Watershed Observations:
= Tape Down (ft):	Photograph ID: Disk #:
	Photograph ID: Picture #:
	Photograph Description:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007

2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Acenaphthylene	8270	Trace (150)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Anthracene	8270	Trace (246)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]pyrene	8270	Trace (253)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[b]fluoranthene	8270	383	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[g,h,i]perylene	8270	Trace (160)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[k]fluoranthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Carbazole	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Chrysene	8270	Trace (147)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Diethylphthalate	8270	*754	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluoranthene	8270	Trace (148)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluorene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Indeno[1,2,3-cd]pyrene	8270	Trace (177)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Isophorone	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Naphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
Phenanthrene	8270	Trace (177)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Phenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pyrene	8270	Trace (185)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,6-Tribromophenol	8270	63	%	19-122	JSHELL	05/02/2007	05/08/2007
2-Fluorobiphenyl	8270	61	%	30-115	JSHELL	05/02/2007	05/08/2007
2-Fluorophenol	8270	18	%	25-121	JSHELL	05/02/2007	05/08/2007
Nitrobenzene-d5	8270	33	%	23-120	JSHELL	05/02/2007	05/08/2007

Phenol-d5	8270	41	%	24-113	JSHELL	05/02/2007	05/08/2007
p-Terphenyl-d14	8270	65	%	18-137	JSHELL	05/02/2007	05/08/2007

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper	
ppb: parts per billion	specification	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) * The Blank for this extraction set

contains 676 ug/Kg of Diethylphthalate.

2) The recovery of 2-Fluorophenol surrogate is low. JES

Approved By: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Geosote
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification GSC - Woods #2
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.		8270	Ice	4/24/07	1420
2.	Soil				
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Turnage Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 33041

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Sample Level:	
		QA Type:	
		Date Collected:	04/24/2007
Sample ID:	AA33042	Time Collected:	12:25
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	TRUSSELL
Sampling Loc:	GSC WOODS #3	To Lab:	SV
Location ID:		Sample Type:	SOIL
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		LIMS Login Date:	04/25/2007
Other No:		LIMS Login Time:	07:29
Permit No:		COC Date:	04/25/2007
Latitude:		COC Time:	0725
Longitude:		Project:	3047
County:		Study:	
Percent Clouds:			
Air Temp.:			
Recent Rain:		Reporting Date:	05/09/2007

Hydrological Data	
Tape Reading (ft):	Bridge Effects:
+ Ding Whap (ft):	Watershed Observations:
= Tape Down (ft):	Photograph ID: Disk #:
	Photograph ID: Picture #:
	Photograph Description:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007

2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Acenaphthylene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]pyrene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[b]fluoranthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[g,h,i]perylene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[k]fluoranthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Carbazole	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Chrysene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Diethylphthalate	8270	*796	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluoranthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluorene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Indeno[1,2,3-cd]pyrene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Isophorone	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Naphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
Phenanthrene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Phenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pyrene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,6-Tribromophenol	8270	54	%	19-122	JSHELL	05/02/2007	05/08/2007
2-Fluorobiphenyl	8270	62	%	30-115	JSHELL	05/02/2007	05/08/2007
2-Fluorophenol	8270	33	%	25-121	JSHELL	05/02/2007	05/08/2007
Nitrobenzene-d5	8270	63	%	23-120	JSHELL	05/02/2007	05/08/2007
Phenol-d5	8270	43	%	24-113	JSHELL	05/02/2007	05/08/2007
p-Terphenyl-d14	8270	62	%	18-137	JSHELL	05/02/2007	05/08/2007

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper	
ppb: parts per billion	specification	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) * The Blank for this extraction set

contains 676 ug/Kg of Diethylphthalate. JES

Approved By: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Cresote
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification GSC Woods #3
Requested By T Rusell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Soil	8270	ICE	4/24/07	1225
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Turnage Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 33042

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Sample Level:	
		QA Type:	
		Date Collected:	04/24/2007
Sample ID:	AA33043	Time Collected:	12:30
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	TRUSSELL
Sampling Loc:	GSC WOODS #4	To Lab:	SV
Location ID:		Sample Type:	SOIL
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		LIMS Login Date:	04/25/2007
Other No:		LIMS Login Time:	07:29
Permit No:		COC Date:	04/25/2007
Latitude:		COC Time:	0725
Longitude:		Project:	3047
County:		Study:	
Percent Clouds:			
Air Temp.:			
Recent Rain:		Reporting Date:	05/09/2007

Hydrological Data	
Tape Reading (ft):	Bridge Effects:
+ Ding Whap (ft):	Watershed Observations:
= Tape Down (ft):	Photograph ID: Disk #:
	Photograph ID: Picture #:
	Photograph Description:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
1,2-Dichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
1,3-Dichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
1,4-Dichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dichlorophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dimethylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrotoluene	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
2,6-Dinitrotoluene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Chloronaphthalene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Chlorophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Methylnaphthalene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Methylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Nitroaniline	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007

2-Nitrophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	3300	JSHELL	05/02/2007	05/08/2007
3-Nitroaniline	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Chloroaniline	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Methylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Nitroaniline	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
4-Nitrophenol	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
Acenaphthene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Acenaphthylene	8270	2130	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Anthracene	8270	Trace (1640)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[a]anthracene	8270	3150	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[a]pyrene	8270	5810	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[b]fluoranthene	8270	9030	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[g,h,i]perylene	8270	4220	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[k]fluoranthene	8270	3600	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzoic Acid	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
Benzyl alcohol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Butylbenzylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Carbazole	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Chrysene	8270	4150	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Dibenzofuran	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Diethylphthalate	8270	*988	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Dimethylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Di-n-butylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Di-n-octylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Fluoranthene	8270	2160	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Fluorene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachlorobutadiene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachloroethane	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Indeno[1,2,3-cd]pyrene	8270	4470	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Isophorone	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Naphthalene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Nitrobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Pentachlorophenol	8270	<MQL	µg/kg	3300	JSHELL	05/02/2007	05/08/2007
Phenanthrene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Phenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Pyrene	8270	4660	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4,6-Tribromophenol	8270	87	%	19-122	JSHELL	05/02/2007	05/08/2007
2-Fluorobiphenyl	8270	106	%	30-115	JSHELL	05/02/2007	05/08/2007
2-Fluorophenol	8270	57	%	25-121	JSHELL	05/02/2007	05/08/2007
Nitrobenzene-d5	8270	93	%	23-120	JSHELL	05/02/2007	05/08/2007
Phenol-d5	8270	74	%	24-113	JSHELL	05/02/2007	05/08/2007
p-Terphenyl-d14	8270	101	%	18-137	JSHELL	05/02/2007	05/08/2007

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper	
ppb: parts per billion	specification	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) *The Blank for this extraction set

contains 676 ug/Kg of Diethylphthalate. JES

Approved By: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf States Creosote
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification GSC- Weirs #4
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	Soil	8270	Ice	4/24/07	1230
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Talmage Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047

33043

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Sample Level:	
		QA Type:	
		Date Collected:	04/24/2007
Sample ID:	AA33044	Time Collected:	12:35
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	TRUSSELL
Sampling Loc:	GSC WOODS #5	To Lab:	SV
Location ID:		Sample Type:	SOIL
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		LIMS Login Date:	04/25/2007
Other No:		LIMS Login Time:	07:29
Permit No:		COC Date:	04/25/2007
Latitude:		COC Time:	0725
Longitude:		Project:	3047
County:		Study:	
Percent Clouds:			
Air Temp.:			
Recent Rain:		Reporting Date:	05/09/2007

Hydrological Data	
Tape Reading (ft):	
+ Ding Whap (ft):	
= Tape Down (ft):	

Bridge Effects:
Watershed Observations:
Photograph ID: Disk #:
Photograph ID: Picture #:
Photograph Description:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
1,2-Dichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
1,3-Dichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
1,4-Dichlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dichlorophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dimethylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrotoluene	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
2,6-Dinitrotoluene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Chloronaphthalene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Chlorophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Methylnaphthalene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Methylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2-Nitroaniline	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007

2-Nitrophenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	3300	JSHELL	05/02/2007	05/08/2007
3-Nitroaniline	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Chloroaniline	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Methylphenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
4-Nitroaniline	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
4-Nitrophenol	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
Acenaphthene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Acenaphthylene	8270	Trace (811)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Anthracene	8270	Trace (965)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[a]anthracene	8270	Trace (853)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[a]pyrene	8270	Trace (1460)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[b]fluoranthene	8270	2350	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[g,h,i]perylene	8270	Trace (1120)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzo[k]fluoranthene	8270	Trace (899)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Benzoic Acid	8270	<MQL	µg/kg	8000	JSHELL	05/02/2007	05/08/2007
Benzyl alcohol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Butylbenzylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Carbazole	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Chrysene	8270	Trace (1040)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Dibenzofuran	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Diethylphthalate	8270	*517	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Dimethylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Di-n-butylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Di-n-octylphthalate	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Fluoranthene	8270	Trace (583)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Fluorene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachlorobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachlorobutadiene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Hexachloroethane	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Indeno[1,2,3-cd]pyrene	8270	Trace (1100)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Isophorone	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Naphthalene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Nitrobenzene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Pentachlorophenol	8270	<MQL	µg/kg	3300	JSHELL	05/02/2007	05/08/2007
Phenanthrene	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Phenol	8270	<MQL	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
Pyrene	8270	Trace (736)	µg/kg	1650	JSHELL	05/02/2007	05/08/2007
2,4,6-Tribromophenol	8270	91	%	19-122	JSHELL	05/02/2007	05/08/2007
2-Fluorobiphenyl	8270	116	%	30-115	JSHELL	05/02/2007	05/08/2007
2-Fluorophenol	8270	70	%	25-121	JSHELL	05/02/2007	05/08/2007

Nitrobenzene-d5	8270		107	%	23-120	JSHELL	05/02/2007	05/08/2007
Phenol-d5	8270		83	%	24-113	JSHELL	05/02/2007	05/08/2007
p-Terphenyl-d14	8270		103	%	18-137	JSHELL	05/02/2007	05/08/2007

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper	
ppb: parts per billion	specification	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) *The Blank for this extraction set

contains 676 ug/Kg Diethylphthalate. JES

Approved By: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Creosote
County Code 035 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification GSC Woods #5
Requested By T Rozell Data To T Rozell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( )

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Rozell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.	So, I	8270	ICE	4/24/07	1235
2.					
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( )

V. LABORATORY: Received By Deborah Talmage Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047 330044

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Office of Pollution Control
1542 Old Whitfield Road
Pearl, MS 39208
601-664-3900

MONITORING REPORT

To:	TONY RUSSELL	Sample Level:	
		QA Type:	
		Date Collected:	04/24/2007
Sample ID:	AA33045	Time Collected:	12:40
Facility Name:	GULF STATE CREOSOTE	Sample Collector:	TRUSSELL
Sampling Loc:	GSC WOODS #6	To Lab:	SV
Location ID:		Sample Type:	SOIL
Site ID:	C0350009	Received By:	DEBORAH TURNAGE
Discharge No		LIMS Login Date:	04/25/2007
Other No:		LIMS Login Time:	07:29
Permit No:		COC Date:	04/25/2007
Latitude:		COC Time:	0725
Longitude:		Project:	3047
County:		Study:	
Percent Clouds:			
Air Temp.:			
Recent Rain:		Reporting Date:	05/09/2007

Hydrological Data	
Tape Reading (ft):	Bridge Effects:
+ Ding Whap (ft):	Watershed Observations:
= Tape Down (ft):	Photograph ID: Disk #:
	Photograph ID: Picture #:
	Photograph Description:

ANALYTE	METHOD	RESULT	UNITS	MDL	ANALYST	ANALYSIS START DATE	ANALYSIS END DATE
1,2,4-Trichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,2-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,3-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
1,4-Dichlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,5-Trichlorophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,4,6-Trichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dichlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dimethylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4-Dinitrotoluene	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
2,6-Dinitrotoluene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chloronaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Chlorophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylnaphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007

2-Nitrophenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
3,3'-Dichlorobenzidine	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
3-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4,6-Dinitro-2-methylphenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Bromophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloro-3-methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chloroaniline	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Chlorophenyl-phenylether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Methylphenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
4-Nitroaniline	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
4-Nitrophenol	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Acenaphthene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Acenaphthylene	8270	1020	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Anthracene	8270	1370	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]anthracene	8270	738	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[a]pyrene	8270	2860	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[b]fluoranthene	8270	3630	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[g,h,i]perylene	8270	1370	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzo[k]fluoranthene	8270	1630	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Benzoic Acid	8270	<MQL	µg/kg	1600	JSHELL	05/02/2007	05/08/2007
Benzyl alcohol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethoxy)methane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Chloroethyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-chloroisopropyl)ether	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
bis(2-Ethylhexyl)phthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Butylbenzylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Carbazole	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Chrysene	8270	1390	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenz[a,h]anthracene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dibenzofuran	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Diethylphthalate	8270	*720	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Dimethylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-butylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Di-n-octylphthalate	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluoranthene	8270	Trace (283)	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Fluorene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorobutadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachlorocyclopentadiene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Hexachloroethane	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Indeno[1,2,3-cd]pyrene	8270	1700	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Isophorone	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Naphthalene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Nitrobenzene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
N-Nitroso-di-n-propylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
n-Nitrosodiphenylamine	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pentachlorophenol	8270	<MQL	µg/kg	660	JSHELL	05/02/2007	05/08/2007
Phenanthrene	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Phenol	8270	<MQL	µg/kg	330	JSHELL	05/02/2007	05/08/2007
Pyrene	8270	1920	µg/kg	330	JSHELL	05/02/2007	05/08/2007
2,4,6-Tribromophenol	8270	57	%	19-122	JSHELL	05/02/2007	05/08/2007
2-Fluorobiphenyl	8270	63	%	30-115	JSHELL	05/02/2007	05/08/2007
2-Fluorophenol	8270	25	%	25-121	JSHELL	05/02/2007	05/08/2007
Nitrobenzene-d5	8270	55	%	23-120	JSHELL	05/02/2007	05/08/2007
Phenol-d5	8270	40	%	24-113	JSHELL	05/02/2007	05/08/2007
p-Terphenyl-d14	8270	59	%	18-137	JSHELL	05/02/2007	05/08/2007

ABBREVIATIONS / DEFINITIONS

ug/L: micrograms/Liter	<: less than	>: greater than
mg/L: milligrams/Liter	MCL: Maximum Contaminant Level	z: surrogate
mg/kg: milligrams/kilogram	MDL: Method Detection Limit	COC Date: Date Chain of Custody Signed
ug/g: micrograms/gram	LSPC: result less than lower specification	COC TIME: Time Chain of Custody
ppm: parts per million	USPC: result greater than upper	
ppb: parts per billion	specification	

DESCRIPTION OF VISUAL AQUATIC FLORA RESULTS:

Indicate estimated abundance: 0 = Absent / Not Observed; 1 = Rare (<5%); 2 = Common (5-30%); 3 = Abundant (30-70%); 4 = Domina

SAMPLE COMMENTS:

Semi-Vol:

1) *The Blank for this extraction set

contains 676 ug/Kg of Diethylphthalate. JES

Approved By: _____

BUREAU OF POLLUTION CONTROL
SAMPLE REQUEST FORM

Lab Bench No. _____

I. GENERAL INFORMATION: Facility Name Gulf State Greenoke
County Code 037 NPDES Permit No. _____
Discharge No. _____ Date Requested 4/25/07
Sample Point Identification Gulf Woods #6
Requested By T Russell Data To T Russell
Type of Sample: Grab (X) Composite (Flow) (Time) Other ( ) _____

II. SAMPLE IDENTIFICATION:
Environment Condition _____ Collected By T Russell
Where Taken _____

	Type	Parameters	Preservative	Date	Time
1.					
2.	Soil	8270	ICE	4/24/07	12 40
3.					
4.					
5.					

III. FIELD:

Analysis	Computer Code	Request	Results	Analyst	Date
pH	(000400)	( )			
D.O.	(000300)	( )			
Temperature	(000010)	( )			
Residual Chlorine	(050060)	( )			
Flow	(074060)	( )			

IV. TRANSPORTATION OF SAMPLE: Bus ( ) RO Vehicle ( ) Other ( ) _____
V. LABORATORY: Received By Deborah Turnage Date 4/25/07 Time 0725
Recorded By _____ Date Sent to State Office _____

Analysis	Computer Code	Request	Result	Analyst	Date Measured
BOD_5	(000310)	( )	mg/l		*
COD^5	(000340)	( )	mg/l		
TOC	(000680)	( )	mg/l		
Suspended Solids	(099000)	( )	mg/l		
TKN	(000625)	( )	mg/l		
Ammonia-N	(000610)	( )	mg/l		
Fecal Coliform(1)	(074055)	( )	colonies/100 ml		*
Fecal Coliform(2)	(074055)	( )	colonies/100 ml		*
Total Phosphorus	(000665)	( )	mg/l		
Oil and Grease(1)	(000550)	( )	mg/l		
Oil and Grease(2)	(000550)	( )	mg/l		
Chlorides	(099016)	( )	mg/l		
Phenol	(032730)	( )	mg/l		
Total Chromium	(001034)	( )	mg/l		
Hex. Chromium	(001032)	( )	mg/l		
Zinc	(001092)	( )	mg/l		
Copper	(001042)	( )	mg/l		
Lead	(017501)	( )	mg/l		
Cyanide	(000722)	( )	mg/l		
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			
		( )			

Remarks _____

*Date of Test Initiation

3047

33045

FILE COPY

Legend

- BG Sites
- Charles Sites
- East Side Site
- Florence Sites
- Francis Sites
- Fs Apts Sites
- Grid Sites
- Harrell Sites
- MLK Sites
- US Highway
- Road
- Stream
- Contours

0 15 30 60 90
Meters
1:2,000

Forrest County

Mississippi Department of Environmental Quality

This map produced by the Department of Environmental Quality (MDEQ), Office of Pollution Control, Groundwater Assessment and Remediation Division (GARD) on 3 November 2004

The sources for the layers shown are from the Mississippi Automated Resource Information System (MARIS) and MDEQ

Map Projection: Mississippi Transverse Mercator

The Mississippi Department of Environmental Quality makes no warranties, expressed or implied, as to the accuracy, completeness, currentness, reliability, or suitability for any particular purpose, of the data contained on this map

89°18'0"W

Katie
Woodland
Independence
Martin Luther King
180
170
Eastside
Royal
Townsend
Forrest
Rosa
Francis
Harrell
Florence
Berths
Dumas
May
Fredna
Scooba
160

Charles 000a
Charles 025a
Charles 000b
Charles 075a
Charles 025b
Charles 075b

Grid F
Grid E
Grid D
Grid C
Grid I
Grid B
Grid K
Grid H
Grid A
Fs Apts 000a
Grid J
Grid G
Fs Apts 025a
Grid L
Fs Apts 075a
Fs Apts 000b
Fs Apts 275a
Fs Apts 075b
Fs Apts 025b
Fs Apts 175a
Fs Apts 275b
Fs Apts 175b

BG1
BG2
BG3
BG4
BG5
BG6
BG7
BG8

MLK 000b
MLK 000a
MLK 025a
MLK 075a
MLK 025b
MLK 175a
MLK 175b
MLK 075b
MLK 375a
MLK 275a
MLK 375b
MLK 275b

Harrell 000a
Harrell 025a
Harrell 000b
Harrell 075a
Harrell 025b
Harrell 175a
Harrell 075b
Harrell 175b

Francis 030b
Francis 030a
Francis 000b
Francis 000a

Florence 000a
Florence 025a
Florence 075a
Florence 000b
Florence 025b
Florence 075b
Florence 175a
Florence 175b
Florence 275a
Florence 275b
Florence 375a
Florence 375b

East Side 050a
East Side 025a
East Side 000a

89°18'0"W

Special meeting addresses creosote

By TERRY L. JONES

State Rep. Percy Watson heard complaints of racial injustice from members of the Forrest County Environmental Support Team on Tuesday during a special meeting that preceded city council's final meeting of the year.

The meeting was the first time city officials and the FCEST were presented with the initial results of an independent investigation by Apex Environmental Consultants. Apex was recently hired by the city to review the Mississippi Department of Environmental Quality's past investigation into possible creosote contamination in a south Hattiesburg neighborhood.

Apex officials said their next step is to conduct interviews with residents to help them decide where to take soil samples.

The issue began with a 1996 lawsuit from several business owners against chemical company Kerr-McGee, now known as Tronox, which was accused of the contamination in the neighborhood near Courtesy Ford on Pine Street.

The lawsuit was settled two years ago and more than 13,000 tons of contaminated soil has been removed from the affected areas by the MDEQ, but residents fearing the pollutant is still in their soil have expressed concern to city officials.

"I'm going to assume that everyone is here trying to get some resolve and get to the bottom of this," Ward 5 Councilman Henry Naylor said to the crowd of more than 30 people.

Watson, who was commissioned to attend Tuesday night's meeting by House

Ryan Moc

Hattie
listen t
APEX

Speaker Billy McCoy, said he was there to obtain information he'll take back to Jackson to help determine if the matter can be addressed in the upcoming legislative session.

"If there is anything that can be done at the state level, we will do it," Watson said.

The meeting took a dramatic turn when Sherri Jones and residents of the neighborhood relayed to Watson several scenarios in which they felt their rights had been violated by MDEQ officials roaming their property unannounced and unwelcome to conduct follow-up environmental surveys.

They said they felt they were treated differently than white citizens would have been treated.

Officials did not address those claims during the meeting.

It was a Dec. 5 incident between a resident and an MDEQ employee that led Sherri Jones and FCEST members to travel to Jackson to involve Watson and state officials.

"People simply want to be treated like taxpayers and citizens," Sherri Jones said.

Naylor and Mayor Johnny DuPree committed themselves to hiring Apex in June to allay the residents' mistrust of MDEQ's investigation, previous reports state.

DuPree was not present at Tuesday's meeting because of his trip to Washington, D.C., seeking funds for water lagoon and sewer upgrades for Hattiesburg.

Apex owner and registered environmental professional Bryan Jones reviewed the MDEQ's findings to the FCEST and city officials, concluding his presentation with suggestions for the next step in his continued investigation of the matter.

Bryan Jones said MDEQ officials are confident in their reports that every possible area that could have suffered from creosote contamination had been covered, but some areas may have been overlooked.

Tina White, president of environmental firm Troubleshooters Inc. in Jackson, was hired by FCEST to serve in a quality control role during the investigation.

White said she didn't have any issue with Bryan Jones' suggestions, but she did have other reservations.

She said that one of her concerns was the MDEQ didn't investigate the entire area where contamination could have occurred.

Resident Willie Carson said city officials, "better get it right," in their investigation if the truth about soil contamination will ever come out.

"Get on us all you want," Naylor said. "That's what we're here for. We can take it. I do have to tell you I think progress is being made just by you being here and this dialogue taking place."

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While I am certainly not trying to invalidate the other residents' opinions, I believe it is much more likely that their concerns are being looked over because of income status and not race.

This doesn't in any way excuse the poor treatment they have received from MDEQ, but unfortunately we often have to be able to "afford" a better (legal) advocate for our health and safety.

Bravo to Mr. Naylor, who has been diligent with this and truly embodies the spirit of a civil servant.

Posted by: **Frankiebeans** on Wed Dec 19, 2007 8:22 am

Post a Comment View All Comments

Originally published December 19, 2007

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Officials set to decide on firm for study

By REUBEN MEES

Members of the Forrest County Environmental Support Team and city leaders are preparir independent analysis of work done by Mississippi Department of Environmental Quality an creosote-blighted southeast Hattiesburg neighborhood.

The group met Tuesday with Issac Edwards, an environmental scientist with the Ridgelanc

They had previously met with represe Environmental Consultants and must contract that could range from $50,0C will be asked to drill test holes to dete community either around a drainage cleanup work since 2004 or other are

Tronox, formerly Kerr-McGee Chemic cleanup of the former Gulf States Cre Scooba Street and East Side Avenue operated the plant that was located tl 1960s.

They also settled a decade-long laws School District and several business the cleanup work began.

Edwards said he would test around tl been adequately removed and would were not in the original MDEQ work p

"The main thing is how far did they gc because a lot of times the water runs said. "I would prefer to test (other site would dispose and dump things anyw

City Councilman Kim Bradley said he representative who said he believes the problem is more extensive than MDEQ and Kerr-M

"He said he has found areas that he thinks are untouched and that the plume might be big said. But he also noted that neither company had presented a written proposal of how muc

cost.

Ward 5 Councilman Henry Naylor and Public Services General Manager Franklyn Tate, wh response to the creosote issue, agreed to seek such written proposals and bring them bac consideration.

"We appreciate all the work that is being done, but I don't think the community is in any hur organizer Sherri Jones said.

STORYCHAT

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This article does not have any comments associated with it

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Originally published August 22, 2007

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16th section signs mystery solved in Hattiesburg

The mystery of the posted 16th section land signs on creosote-contaminated property has been solved.

The signs appeared last week on land along Eastside Avenue in Hattiesburg. It's in an area where Leo Watts has been growing a garden for the past 14 years.

The property is owned by the Hattiesburg School District, which recently leased it to a private company. The owner of the company is giving Watts until September 1st to harvest his garden before using it for other purposes.

The owner -- Hattiesburg businessman Bobby Chain. Chain confirms he leased the land from the school district to use as storage for his nearby Chain Electric Company.

Tony Russell/HW/OPC/DEQ
07/11/2007 10:21 AM

To Tony Russell/HW/OPC/DEQ@DEQ
cc
bcc
Subject

Signs confuse residents, officials
Hattiesburg American
By REUBEN MEES

Two signs that cropped up over the weekend near a garden on East Side Avenue have neighborhood residents wondering if government officials are trying to pull a fast one on them.

Although the black and red letters of the signs read, "This is 16th Section land owned by the Hattiesburg Public School System leased to private industry and will be fenced Sept. 1st," school district officials deny any connection to the signs.

"We want to know who put those signs up and if it was the school district, when did they decide to do it because they didn't discuss it at their board meeting last week," Forrest County Environmental Support Team organizer Sherri Jones said.

"We're as mystified as anyone else is," Alan Oubre, the district's director of support services, said after visiting the site and talking to personnel who may have been authorized to place such signs.

Oubre also said the district would not go onto a leaseholder's property to place a sign or build a fence. District personnel were sorting through documents to verify who leases the property but had not verified the owner by late Monday.

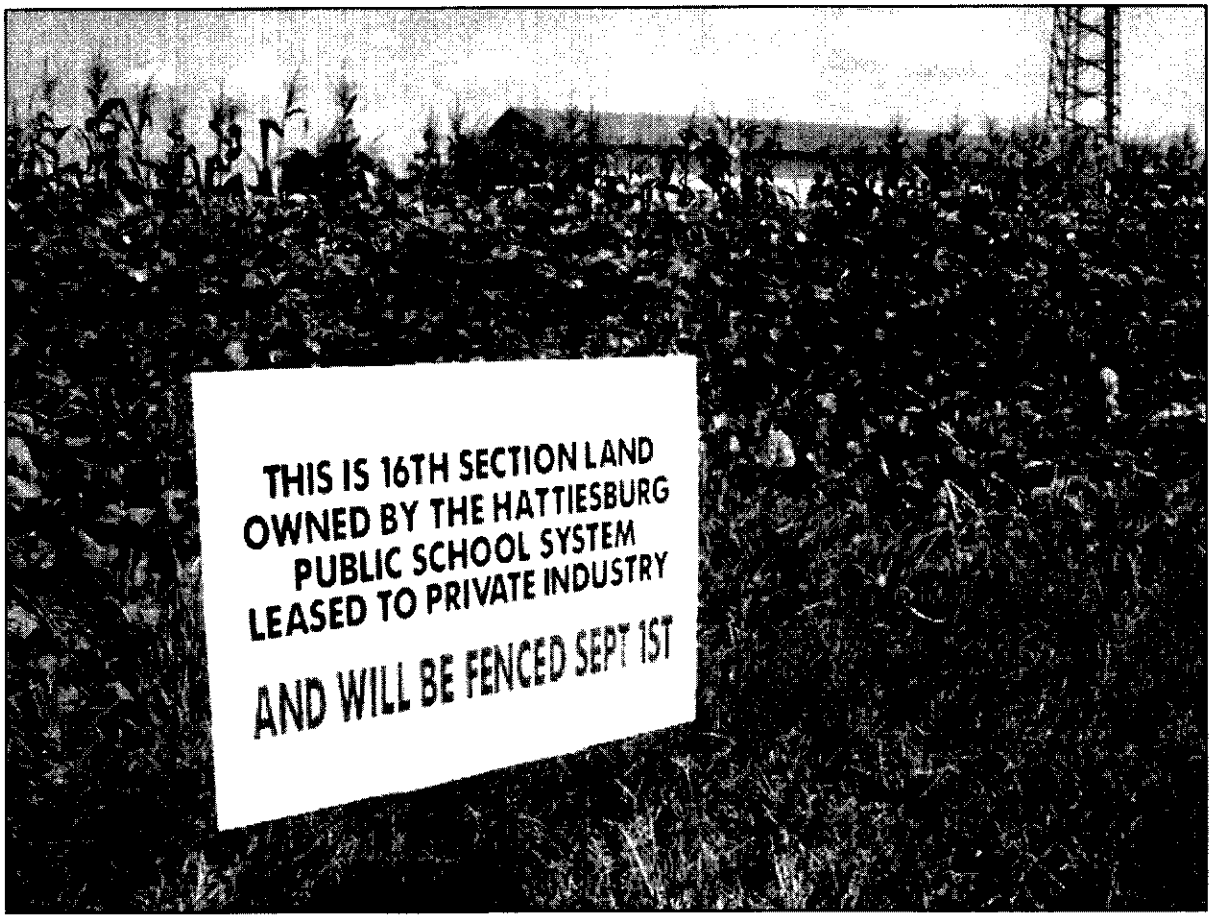
The *Hattiesburg American* contacted Norfolk-Southern Railroad, the most likely lessee of the property that runs between the railroad tracks and the street, but a spokeswoman for the company could not immediately provide information.

The signs are in front of a garden planted by former East Side resident Leo Watts, who said although he is not the leaseholder on the property, he has had a garden there for about 36 years.

But the underlying problem is that the site is less than a block away from the intersection where construction crews working for the chemical company Tronox and the **Mississippi Department of Environmental Quality** excavated creosote in recent weeks.

hattiesburg american .com

Close Window
Wednesday, July 11, 2007



Print this image

Article published May 15, 2007

Officials OK more creosote testing

From staff reports

A group of elected officials agreed to conduct more testing for creosote in a southeast Hattiesburg community after members of the Forrest County Environmental Support Team took them on a tour of the neighborhood Monday.

The area is adjacent to the former Gulf States Creosoting Co., which from the 1930s through about 1960 treated wood with creosote on the current site of Courtesy Ford.

The issue was the subject of a lawsuit filed by the Hattiesburg Public School District in which the chemical giant Kerr-McGee accepted liability for Gulf States, cleaned up the creosote according to a Mississippi Department of Environmental Quality work plan and settled for an undisclosed amount of damages.

Residents, whose properties were involved with the work plan, were not party to the lawsuit and still have outstanding claims for damages and do not believe the MDEQ work plan adequately addressed the creosote contamination.

THIS FILE IS CLOSED

ENCLOSED DATED MATERIAL

From: February 14, 2007
To: April 16, 2009

MORE RECENT MATERIAL IN OTHER FILE

C:\MyFiles\closed file sheet lg.wpd

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

April 16, 2009

Dr. Michael S. Bonner, PhD
BATCO
2703 Oak Grove Road
Hattiesburg, MS 39402

Re: Gulf States Creosote
Work Plan for Testing and Restoration dated March 12, 2009
West Pine Street, Parcel #5
Hattiesburg, MS

Dear Dr. Bonner:

The Mississippi Department of Environmental Quality (MDEQ) has reviewed the above referenced work plan. MDEQ approval of the proposed scope of work is contingent on incorporation of the following requirements:

1. Permits for storm water control may be needed. Please contact Mr. Jim Morris at 601-961-5151 regarding permit requirements.

2. Once the area is leveled, a survey must be conducted prior to and after the cap is added to verify that a minimum of ten (10) inches of clay type soil has been added and compacted.

3. The soil used for the cap must be clay and compacted in lifts not to exceed six (6) inches. Top soil may be added to the clay cap for seeding purposes.

4. MDEQ must be notified a minimum of ten (10) days prior to implementing field activities.

Please respond in writing to the above conditions by May 15, 2009. Please call me at 601-961-5318 with any questions you may have concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

WORK PLAN FOR TESTING AND RESTORATION: SAMPLING RESULTS AND PROPOSED RESTORATION

FOR

Former Gulf States Creosote Site
Parcel Number 5
West Pine Street
Hattiesburg, Mississippi

Prepared by:

Michael S. Bonner, Ph.D.

Bonner Analytical Testing Company
2703 Oak Grove Road
Hattiesburg, MS 39402

March 12, 2009

Table of Contents:

1.0 Introduction and Work Plan Rationale

1.1 Objectives/Rationale

1.1.1 Objectives

1.1.1.1 Complete remediation of property.

1.1.2 Rationale

1.1.2.1 Following guidance from the Mississippi Department of Environmental Quality Uncontrolled Sites Branch remediate the property as delineated from sample analysis.

1.2 Property Background

1.2.1 Property Location and Demographics.

The site is approximately 1.8 acres and is shown in Figure 1 and Figure 2. The site is bound on the north side by West Pine Street, east by Toyota, south by Southern Railroad track, and west by a drainage ditch. The drainage ditch runs southeast to northwest and divides the property roughly into two halves. This document deals with the east half.

1.2.2 Property History

Gulf States Creosote operated a plant in Hattiesburg along West Pine Street from the early 1900's to approximately 1960. In 1962 the site was redeveloped for commercial and light industrial use.

With the finding of the low levels of benzo(a)pyrene, ICON Environmental was contracted to clear the timber, debris and stumps from the site. The tree debris and shrubs from the entire site were shredded along with the stumps from the western side. The stumps from the eastern side were segregated for shredding. Upon analysis of shredded material no hazardous material, including creosote, were detected.

ICON Environmental then began the process of developing a work plan to test the soil, remove any contamination and finalize remediation of the site. After

completion of the needed work for the work plan, ICON Environmental withdrew from the project.

Bonner Analytical Testing Co. (BATCO) collected core samples on November 25, 2008. Results are included in this report along with plans for the remaining work at the site.

1.3 Project History and Detailed Summary of Previous Investigations Activities.

Starting in 1996, Kerr-McGee Chemical (KMC) conducted an investigation of the area. Their findings found low levels of benzo (a) pyrene in soil samples SS-15 (0.033 mg/kg), SS-16 (1.10 mg/kg), and SS-17 (0.93 mg/kg).

1.4 Sampling and Results

1.4.1 The site was sampled as prescribe in the work plan approved by the Mississippi Department of Environmental Quality Uncontrolled Sites Branch. (DEQ, USB).

1.4.2 The results are listed in Appendix I.

1.5 Work Plan

1.5.1 The analysis revealed results above the previously defined levels, thus requiring action to be taken.

1.5.2 Using soil from off sight to level the property

1.5.3 Add 1ft of fill dirt on top of the property

1.5.4 Place an erosion control barrier along the stream.

2.0 Field Operations

2.1 Soil Delineation

2.1.1 Based on the sampling and data analysis the property was delineated both vertical and horizontal.

2.1.2 The soil delineation is shown in Appendix II

2.2 Regulatory Involvement

Bonner Analytical Testing Co. shall acquire any needed permits from the City of Hattiesburg.

2.3 Site Restoration

2.3.1 Leveling

2.3.1.1 Soil from off sight shall be brought in and used to level the property.

2.3.1.2 A Mississippi Department of Environmental Quality Uncontrolled Sites Branch. (DEQ, USB) approved erosion control bearer shall be put in place along the stream that runs along the west side of the property involved in the restoration.

2.3.1.3 All activities shall be in accordance with applicable federal, state, and local requirements. All transportation manifests shall be retained and submitted to BATCO for documentation.

2.3.1.4 Once the property has been leveled, a foot of soil from off site shall be added to the top of the property.

2.3.1.5 A representative sample of material shall be analyzed by the laboratory to insure that it is non-hazardous

2.3.1.6 All work at site must be performed by personnel that is 40hour trained in hazardous waste training per 29 CFR-1910

2.3.2 Site stabilization

For site stabilization and site maintenance refer to Storm Water Pollution Prevention in the Work Plan dated February 29, Appendix A

2.3.3 All fill and site stabilization activities shall be performed under the guidance of Bonner Analytical Testing Co.

3.0 Schedule

Upon completion of this work plan a report will be prepared and submitted to MDEQ. The report will describe all related activities completed during the work. The schedule of activities to be completed under this work plan includes the following:

3.1.1 Level and add 1foot of soil from an off-site location.

3.1.2 Reseed site with permanent cover and implement maintenance plan

3.1.3 Weekly erosion and sediment control inspections. (1 month or until stabilized) (The inspections will be submitted as an addendum)

3.2 With no delays during completion of the fieldwork, the testing and construction phase of work should be completed in approximately in 5-6 weeks. With the weekly inspections being completed in approximately 4 weeks following restoration.

3.2.1 3 weeks Complete soil activities and reseed site.

3.2.2 4 Weeks Monitor site and drainage.

4.0 References

ICON Environmental Solutions, LLC; 2003 Work Plan, Former Gulf States Creosote Parcel # 5, Hattiesburg, Mississippi October 15, 2003.

Bonner Analytical Testing Co. WORK PLAN FOR TESTING AND RESTORATION Former Gulf States Creosote Site, Parcel Number 5,West Pine Street, Hattiesburg, Mississippi February 29, 2008

APPENDIX 1

Analytical Results

Bonner Analytical Testing Company

2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

January 14, 2009

CASE NARRATIVE: Fairchild Construction

On December 03, 2008, BATCO personnel collected fifteen soil samples and one water sample. The soil samples were separated into three layers: 0 – 2', 2 – 4' and 4 – 6'. Samples were analyzed for polycylic aromatic hydrocarbons (PAH's) using a high-pressure liquid chromatograph (HPLC) and for Base Neutral Acids by Gas Chromatograph coupled with a Mass Spectrometer detector (GCMS). Samples were extracted using EPA method 3550B.

1. PAH analysis HPLC

For quality control purposes, two method blanks, two laboratory controls and two matrix spikes were extracted along with the samples. The first matrix spikes were taken from the 0 – 2' layer, however the concentrated extracts from the 0 – 2' layer were oily in appearance and so new matrix spikes were extracted using the 2' – 4' layer.

Benzo(b)fluoranthene was detected in both method blanks at concentrations less than 3 ug/Kg. Both laboratory controls had low recoveries of anthracene—approximately 65 %—all other analytes had recoveries between 85 and 119 %. Matrix spike recoveries were between 67 and 117 %.

All sample extracts in the 0 – 2' layer had PAH's above the unrestricted tier1 limits for soils except for FS1. Samples FS8, FS14 and FS15 in the 2 – 4' layer had PAH's above the unrestricted tier1 limits. No PAH's from the 4' – 6' layer were above the tier1 limits. No PAH'S were detected in the water sample.

Interferences in the samples resulted in high surrogate recoveries for numerous samples in both the 0 –2' and 2 – 4' layers. Additionally, many samples had analyte concentrations that were above the linear range of the curve. Because the concentration of these analytes was high enough for GCMS confirmation, HPLC samples were not reanalyzed at a dilution.

2. Base Neutral Analysis by GCMS

Quality Control procedures were followed during the extraction phase per laboratory protocol. Many of the samples in the 0-2' and 2-4' were treated with Gel Permeation Column Cleanup to remove oils and solids that would not show up in the analysis but would contaminate the GC Column.

All samples in the 0-2' layer had BNA's above the unrestricted Tier1 Limits except for sample FS05. In the 2-4' layer, FS08 and FS14 did not pass the unrestricted Tier 1 limits and FS15 did not pass the restricted and unrestricted limits. All samples passed the Tier1 Restricted and Unrestricted in the 4-6' layer. The Decon water sample exceeded the unrestricted tier 1 water limit for bis(2-ethylhexyl)phthalate—this analyte is commonly used in plasticizers and is ubiquitous.

3. Discrepancies

There is a discrepancy between the two analyses for FS01 and FS05 from the 0-2' layer. BNA analysis of FS01 exceeded the unrestricted tier 1 limits for Benzo(b) fluoranthene and Benzo(a) pyrene whereas the results from the HPLC PAH analysis were less than one fifth of the tier 1 limits for both analytes. FS05 showed no failures in the BNA analysis, but the HPLC PAH analysis exceeded the unrestricted tier 1 limit for Benzo(a) pyrene and Dibenz(a,h)anthracene.

Closer analysis of FS01 shows that the HPLC values are consistently lower than GCMS results by as much as 30 times. The HPLC results may be artificially low due to the acetonitrile solvent exchange performed on HPLC samples—excess time in the turbovap during extract concentration would have allowed more of the analyte to volatilize out of the solution. The FS05 failure in the HPLC PAH analysis may due to false positives caused by interferences.

HPLC derived PAH concentrations and GCMS derived PAH concentrations varied for several samples. These discrepancies may be attributed to three main causes:

1. Interferences in samples leading to false positives or artificially high readings in the HPLC analysis
2. Analyte concentrations above the linear range (in the HPLC analysis) leading to inaccurate quantitation
3. Analyte loss during the solvent exchange portion of the HPLC PAH analysis method leading to false negative or artificially low results

The quality of the data is acceptable for the intended use of this project.

4. Conclusion

The compounds showing failure of Tier 1 limits for soil are shown in the attachments for the PAH and BNA analyses performed on the Fairchild Core Samples. In layer 0-2' and layer 2-4' there are two compounds—Benzo(b)fluoranthene and Benzo(a)pyrene—that are the dominant compounds exceeding the Tier 1 limits.

Authorized by:_____

Michael S. Bonner, PhD.

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-1 0-2'
File #: 0812217-40

	Date	Time	Analyst
Collected:	12/03/2008	1310	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1239	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	6.5			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	28.7			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	29.5			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	21.0			ND			939	932	101	673	667	101
Chrysene	1.98	87500	11.5			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	29.6			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	ND			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	12.5			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,I]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	13.6			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			29.70	5.00	594	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

Certified by: _____
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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-2 0-2'
File #: 0812217-43

	Date	Time	Analyst
Collected:	12/03/2008	1325	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	0136	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	11.5			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	15.6			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	6.2			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	290	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	361			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	248			ND			939	932	101	673	667	101
Chrysene	1.98	87500	168			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	349	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	233	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	309	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	18.9			*ND*			*1003*	932	*108*	713	667	*107*
Benzo[g,h,i]perylene	0.41	2350000	321			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	301	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			4.1	5.00	82	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-2 2-4'
File #: 0812217-44

	Date	Time	Analyst
Collected:	12/03/2008	1325	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	1221	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	4.2			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	2.1			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	6.4			ND			939	932	101	673	667	101
Chrysene	1.98	87500	ND			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	4.0			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	0.78			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	2.7			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			6.9	5.00	139	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-3 0-2'
File #: 0812217-28

	Date	Time	Analyst
Collected:	12/03/2008	1120	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	0232	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	148			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	147			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	290	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	5.6			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	885	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	614	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	202			ND			939	932	101	673	667	101
Chrysene	1.98	87500	310	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	332	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	259	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	275			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	85.0			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	280			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	238			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			29.6	5.00	592	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-3 2-4'
File #: 0812217-29

	Date	Time	Analyst
Collected:	12/03/2008	1120	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	1318	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS	SAMPLE	METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	2.9			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	ND			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	ND			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	4.1			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	ND			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			6.2	5.00	123	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

Certified by: _____
Michael S. Bonner, Ph.D
BONNER ANALYTICAL TESTING COMPANY

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-4 0-2'
File #: 0812217-19

	Date	Time	Analyst
Collected:	12/03/2008	1025	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	0328	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	1099			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	414.2			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	26.2			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	1582	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	26.5			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	1291	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	258			ND			939	932	101	673	667	101
Chrysene	1.98	87500	391	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	416	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	355	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	517	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	83.5			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	0.89	*		ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			38.9	5.00	778	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-4 2-4'
File #: 0812217-20

Collected: 12/03/2008 1025 MGJ
Extracted: 12/15/2008 2100 EDR
Analyzed: 12/23/2008 1414 DGA
Date Time Analyst

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	1.9			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	ND			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	12.9			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	1.2			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	1.0			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			6.5	5.00	131	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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Client: Fairchild Construction
Sample ID: FS-5 0-2'
File #: 0812217-31

Collected: 12/03/2008 1220 MGJ
Extracted: 12/11/2008 1700 DGA
Analyzed: 12/19/2008 0521 DGA
Date Time Analyst

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	108			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	798	667	119
Flourene	7.05	3130000	77.1			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	124			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	14.6			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	578	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	479			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	268			ND			939	932	101	673	667	101
Chrysene	1.98	87500	261			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	373	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	249	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	285			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	94.5			ND			1003	932	108	713	667	107
Benzo[g,h,I]perylene	0.41	2350000	72.8			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	247			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			10.9	5.00	218	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-5 2-4'
File #: 0812217-32

	Date	Time	Analyst
Collected:	12/03/2008	1220	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	1503	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	4.7			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	2.8			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	2.6			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	5.7			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	1.4			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			6.6	5.00	133	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

" -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-6 0-2'
File #: 0812217-37

	Date	Time	Analyst
Collected:	12/03/2008	1250	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	0618	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	41.4			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	243	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	63.0			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	843	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	694	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	465	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	365	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	433	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	298	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	437	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	35.1			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	368	*		ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	340	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			2.6	5.00	53	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-6 2-4'
File #: 0812217-38

	Date	Time	Analyst
Collected:	12/03/2008	1250	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	1800	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	2.5			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	ND			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	4.3			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	3.9			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	1.4			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.4	5.00	107	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-7 0-2"
File #: 0812217-01

	Date	Time	Analyst
Collected:	12/03/2008		MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	0714	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	222			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	78.5			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	72.3			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	4736	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	3927	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	3166	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	1554	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	2661	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	1796	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	2116	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	385			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	480	*		ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	1453	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			4.6	5.00	92	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-7 2-4'
File #: 0812217-02

	Date	Time	Analyst
Collected:	12/03/2008		MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	1856	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	ND			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	4.2			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	2.8			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	ND			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	22.8			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	3.9			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	1.5			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	2.7			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	3.7			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.8	5.00	116	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-8 0-2'
File #: 0812217-34

	Date	Time	Analyst
Collected:	12/03/2008	1235	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	0811	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	128			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	14.1			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	518	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	509			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	340	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	225			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	290	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	240	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	295	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	18.1			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	112			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	203			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			2.5	5.00	49	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-8 2-4'
File #: 0812217-35

	Date	Time	Analyst
Collected:	12/03/2008	1235	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	1952	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	301			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	920			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	36.1			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	482	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	32.5			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	1913	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	1481	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	881	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	866	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	1741	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	970	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	1473	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	20.2			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	984	*		ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	1046	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			9.6	5.00	192	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-8 4-6'
File #: 0812217-36

	Date	Time	Analyst
Collected:	12/03/2008	1242	MGJ
Extracted:	12/16/2008	2200	EDR
Analyzed:	1/08/2009	0303	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Fluorene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	3.4			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Fluoranthene	0.74	3130000	ND			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	49.1			ND			939	932	101	673	667	101
Chrysene	1.98	87500	ND			ND			868	932	93	623	667	94
Benzo[b]fluoranthene	0.48	875	ND			2.7			897	932	96	647	667	97
Benzo[k]fluoranthene	0.42	8750	1.7			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			4.7	5.00	95	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-9 0-2'
File #: 0812217-16

	Date	Time	Analyst
Collected:	12/03/2008	1002	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1004	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	Spike Amount ug/Kg	Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	Spike Amount ug/Kg	Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	Spike Amount ug/Kg	Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	76.7			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	190			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	18.5			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	1212	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	977	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	709	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	596	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	957	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	689	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	847	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	261			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	665	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			13.0	5.00	260	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-9 2-4'
File #: 0812217-17

	Date	Time	Analyst
Collected:	12/03/2008	1002	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	2242	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	7.3			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	23.1			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	0.92			ND			939	932	101	673	667	101
Chrysene	1.98	87500	32.6			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	6.5			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	1.0			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			0.0	5.00	0	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-10 0-2'
File #: 0812217-22

	Date	Time	Analyst
Collected:	12/03/2008	1040	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1100	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	1108			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	1553			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	134			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	219			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	772	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	59.9			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	4191	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	3589	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	3876	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	1600	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	3293	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	2329	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	3075	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			28.1	5.00	562	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-10 2-4'
File #: 0812217-23

	Date	Time	Analyst
Collected:	12/03/2008	1040	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/23/2008	2338	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	10.3			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	42.4			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	3.3			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	3.2			ND			939	932	101	673	667	101
Chrysene	1.98	87500	43.4			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	3.3			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	3.5			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.9	5.00	117	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-11 0-2'
File #: 0812217-13

	Date	Time	Analyst
Collected:	12/03/2008	0940	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1157	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	358			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	175			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	13.2			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	1435	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	1631	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	1066	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	612	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	1136	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	782	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	1152	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	479			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	15.9			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			4.5	5.00	89	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-11 2-4'
File #: 0812217-14

	Date	Time	Analyst
Collected:	12/03/2008	0940	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/24/2008	0035	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS	SAMPLE	METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	219			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	21.0			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	164			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	0.56			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	312			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	76.8			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	37.0			ND			939	932	101	673	667	101
Chrysene	1.98	87500	222			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	87.5			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	42.8			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	61.3			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	17.9			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	76.6			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	49.5			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			4.6	5.00	91	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-12 0-2
File #: 0812217-04

	Date	Time	Analyst
Collected:	12/03/2008	0845	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1446	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	272			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	138			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	17.1			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	466	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	475			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	304	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	199			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	291	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	204	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	287			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	94.1			ND			1003	932	108	713	667	107
Benzo[g,h,I]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	8.5			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			3.9	5.00	79	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-12 2-4'
File #: 0812217-05

	Date	Time	Analyst
Collected:	12/03/2008	0845	MGJ
Extracted:	12/23/2008	1600	DGA
Analyzed:	1/07/2009	2306	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	3.9			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	1.7			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	ND			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	ND			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	ND			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	ND			ND			880	932	94	630	667	95
Benzo[e]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.9	5.00	119	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-13 0-2'
File #: 0812217-07

	Date	Time	Analyst
Collected:	12/03/2008	0905	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1542	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	53.4			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	3.1			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	605	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	696	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	368	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	216			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	406	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	274	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	389	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	129			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			27.3	5.00	545	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-13 2-4'
File #: 0812217-08

	Date	Time	Analyst
Collected:	12/03/2008	0905	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/24/2008	0420	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	373			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	10.7			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	25.1			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	62.7			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	3.9			ND			939	932	101	673	667	101
Chrysene	1.98	87500	79.0			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	41.6			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	7.3			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	4.8			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	12.0			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.7	5.00	114	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-14 0-2'
File #: 0812217-10

	Date	Time	Analyst
Collected:	12/03/2008	0920	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1639	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	82.0			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	7.0			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	271			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	243			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	131			ND			939	932	101	673	667	101
Chrysene	1.98	87500	91.7			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	125	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	112			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	111			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	46.9			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			26.3	5.00	526	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-14 2-4'
File #: 0812217-11

	Date	Time	Analyst
Collected:	12/03/2008	0920	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	12/24/2008	0517	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	916			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	368			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	513			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	14.5			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	384	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	18.6			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	1516	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	1202	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	484	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	612	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	8.2			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	5.6			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	6.3			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	390			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	61.1			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.0	5.00	100	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

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POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: F5-14 4-6'
File #: 0812217-12

	Date	Time	Analyst
Collected:	12/03/2008	0930	MGJ
Extracted:	12/15/2008	2100	EDR
Analyzed:	1/08/2009	0502	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	0			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	0			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	3.3			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	ND			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	ND			ND			939	932	101	673	667	101
Chrysene	1.98	87500	5.1			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	2.4			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	ND			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	4.6			ND			1003	932	108	713	667	107
Benzo[g,h,I]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.1	5.00	101	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* – Analyte concentration is estimated due to the value exceeding the linear range

Certified by: _____
Michael S. Bonner, Ph.D
BONNER ANALYTICAL TESTING COMPANY

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-15 0-2'
File #: 0812217-25

	Date	Time	Analyst
Collected:	12/03/2008	1055	MGJ
Extracted:	12/11/2008	1700	DGA
Analyzed:	12/19/2008	1735	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	252			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	401			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	848	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	5283	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	5392	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	4060	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	1877	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	4310	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	2992	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	4198	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	2700	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			26.3	5.00	526	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

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Michael S. Bonner, Ph.D
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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-15 2-4'
File #: 0812217-26

	Date	Time	Analyst
Collected:	12/03/2008	1055	MGJ
Extracted:	12/23/2008	1600	DGA
Analyzed:	1/08/2009	0517	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	355			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	454			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	1276			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	384	*		ND			777	932	83	567	667	85
Anthracene	1.31	23500000	76.8			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	3153	*		ND			839	932	90	613	667	92
Pyrene	2.20	2350000	3392	*		ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	2979	*		ND			939	932	101	673	667	101
Chrysene	1.98	87500	1560	*		ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	3237	*		2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	1921	*		ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	2934	*		ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	704			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	1136	*		ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	1661	*		ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			3.8	5.00	77	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

Certified by: _____
Michael S. Bonner, Ph.D
BONNER ANALYTICAL TESTING COMPANY

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
POLYNUCLEAR AROMATIC HYDROCARBONS

Client: Fairchild Construction
Sample ID: FS-15 4-6'
File #: 0812217-27

	Date	Time	Analyst
Collected:	12/03/2008	0930	MGJ
Extracted:	12/23/2008	1600	EDR
Analyzed:	1/08/2009	1439	DGA

Sample Type: SOIL
Extraction Method: EPA SW846 3550B
Analysis Method: SW846 8310

COMPOUNDS	MDL ug/Kg (ppb)	TIER 1 ug/kg (ppb)	SAMPLE Detected Amount ug/kg (ppb)	SAMPLE FLAGS		METHOD BLANK Detected Amount ug/kg (ppb)	METHOD BLANK Spike Amount ug/Kg	METHOD BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ug/kg (ppb)	MATRIX SPIKE Spike Amount ug/Kg	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ug/kg (ppb)	LAB CONTROL Spike Amount ug/Kg	LAB CONTROL Spike % Recovery
Naphthalene	90.8	645000	ND			ND			678	932	73	677	667	102
Acenaphthylene	105	4690000	ND			ND			887	932	95	673	667	101
Acenaphthene	111	4690000	ND			ND			1090	932	117	790	667	119
Flourene	7.05	3130000	ND			ND			770	932	83	570	667	86
Phenanthrene	1.34	2350000	5.9			ND			777	932	83	567	667	85
Anthracene	1.31	23500000	ND			ND			621	932	67	430	667	65
Flouranthene	0.74	3130000	4.6			ND			839	932	90	613	667	92
Pyrene	2.20	2350000	ND			ND			874	932	94	620	667	93
Benz[a]anthracene	0.34	875	6.1			ND			939	932	101	673	667	101
Chrysene	1.98	87500	2.7			ND			868	932	93	623	667	94
Benzo[b]flouranthene	0.48	875	2.1			2.7			897	932	96	647	667	97
Benzo[k]flouranthene	0.42	8750	ND			ND			880	932	94	630	667	95
Benzo[a]pyrene	0.84	87.5	ND			ND			906	932	97	633	667	95
Dibenz[a,h]anthracene	2.41	87.5	ND			ND			1003	932	108	713	667	107
Benzo[g,h,i]perylene	0.41	2350000	ND			ND			949	932	102	653	667	98
Indeno[1,2,3,c,d]pyrene	0.80	875	ND			ND			961	932	103	690	667	104
SURROGATE COMPOUNDS			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Flourobiphenyl			5.3	5.00	107	4.72	5.00	94	6.00	5.00	120	5.17	5.00	103

* -- Analyte concentration is estimated due to the value exceeding the linear range

Certified by: _____
Michael S. Bonner, Ph.D
BONNER ANALYTICAL TESTING COMPANY

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QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-01 0-2'
File #: 0812217-40

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/30/08	1126	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 18.55g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-40 Detected Amount ug/kg (ppb)	0812217-40 Spike Amount ug	0812217-40 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
[redacted]enol	123000000	46900000	3.4	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.6	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.8	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.5	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.0	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.0	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.7	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.8	ND			ND			ND					
4-Methylphenol	10200000	391000	5.7	ND			ND			ND					
Hexachloroethane	93300	45600	5.3	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.4	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.4	ND			ND			ND					
Isophorone	4570000	672000	6.1	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.0	ND			ND			ND					
2-Nitrophenol			6.0	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.7	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.8	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.4	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.2	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.6	589			ND			ND					
4-Chloroaniline	817000	3130	5.6	ND			ND			ND					
Hexachlorobutadiene	135	88	6.2	ND			ND			ND					
[redacted]Chloro-3-methylphenol			5.1	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]-Methylnaphthalene	81800000	3130000	5.0	898			ND			ND					
Hexachlorocyclopentadiene	951	951	5.7	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.0	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.7	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.8	ND			ND			ND					
2-Nitroaniline			7.9	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.4	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.9	490			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.1	ND			ND			ND					
3-Nitroaniline			10.6	ND			ND			ND					
Acenaphthene	123000000	4690000	5.5	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.4	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.7	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.5	419			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.5	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.5	ND			0.51			ND					
Fluorene	81700000	3130000	6.5	ND			ND			ND					
4-Chlorophenyl-phenylether			5.5	ND			ND			ND					
4-Nitroaniline			5.7	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.1	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-01 0-2'
File #: 0812217-40

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/30/08	1126	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-40			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Nitrosodiphenylamine	1170000	130000	5.0	ND			ND			ND					
4-Bromophenyl-phenylether			4.6	ND			ND			ND					
Hexachlorobenzene	1650	399	5.3	ND			ND			ND					
Pentachlorophenol	23800	2660	8.3	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.7	ND			ND			ND					
Anthracene	613000000	23500000	5.3	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.1	ND			6.09			13.70					
Fluoranthene	81700000	3130000	3.8	814			ND			ND					
Pyrene	61300000	2350000	5.2	740			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.5	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.1	602			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.9	ND			ND			ND					
Chrysene	784000	87500	5.1	636			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.0	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.2	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.5	911			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.2	ND			ND			ND					
Benzo(a)pyrene	784	88	3.9	339			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.1	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.9	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.6	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				70.9	200.0	35.45	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				63.5	200.0	31.75	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				26.4	100.0	26.40	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				33.7	100.0	33.70	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				78.7	200.0	39.35	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				30.7	100.0	30.70	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-02 0-2'
File #: 0812217-43

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	1205	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 18.55g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-43			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.8	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	5.1	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.2	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	6.1	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.5	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	11.0	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.4	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.1	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.5	ND			ND			ND					
4-Methylphenol	10200000	391000	6.4	ND			ND			ND					
Hexachloroethane	93300	45600	5.9	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	7.2	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	6.1	ND			ND			ND					
Isophorone	4570000	672000	6.8	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.4	ND			ND			ND					
2-Nitrophenol			6.7	ND			ND			ND					
Benzoic Acid	817000000	313000000	16.5	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.5	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.8	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	7.0	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.3	ND			ND			ND					
4-Chloroaniline	817000	3130	6.3	ND			ND			ND					
Hexachlorobutadiene	135	88	7.0	ND			ND			ND					
4-Chloro-3-methylphenol			5.7	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.6	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.4	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.7	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.3	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.2	ND			ND			ND					
2-Nitroaniline			8.9	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	6.1	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.7	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.8	ND			ND			ND					
3-Nitroaniline			11.8	ND			ND			ND					
Acenaphthene	123000000	4690000	6.1	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.5	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.4	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.2	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	6.1	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.3	ND			0.51			ND					
Fluorene	81700000	3130000	7.3	ND			ND			ND					
4-Chlorophenyl-phenylether			6.1	ND			ND			ND					
4-Nitroaniline			6.4	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	9.0	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-02 0-2'
File #: 0812217-43

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1205	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-43			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.6	ND			ND			ND					
4-Bromophenyl-phenylether			5.2	ND			ND			ND					
Hexachlorobenzene	1650	399	5.9	ND			ND			ND					
Pentachlorophenol	23800	2660	9.3	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.3	252			ND			ND					
Anthracene	613000000	23500000	5.9	337			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.8	ND			6.09			13.70					
Fluoranthene	81700000	3130000	4.2	1069			ND			ND					
Pyrene	61300000	2350000	5.8	1120			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.3	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.7	812			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	12.2	ND			ND			ND					
Chrysene	784000	87500	5.8	902			ND			ND					
Bis[2-ethylhexyl]phthalate	409000	45600	6.7	338			0.78			ND					
Di-n-octylphthalate	4080000	1560000	7.0	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	5.0	1724			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.6	400			ND			ND					
Benzo(a)pyrene	784	88	4.4	697			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.8	582			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.7	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.4	307			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				40.01	200.0	20.01	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				66.53	200.0	33.27	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				25.13	100.0	25.13	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				83.31	100.0	83.31	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				140.84	200.0	70.42	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				100.71	100.0	100.71	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-03 0-2'
File #: 0812217-28

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	1244	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 18.55g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-28 Detected Amount ug/kg (ppb)	0812217-28 Spike Amount ug	0812217-28 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.4	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.5	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.7	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.4	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.0	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.6	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.9	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.6	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.7	ND			ND			ND					
4-Methylphenol	10200000	391000	5.7	ND			ND			ND					
Hexachloroethane	93300	45600	5.2	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.3	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.3	ND			ND			ND					
Isophorone	4570000	672000	6.0	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.9	ND			ND			ND					
2-Nitrophenol			5.9	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.5	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.7	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.4	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.1	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.5	589			ND			ND					
4-Chloroaniline	817000	3130	5.5	ND			ND			ND					
Hexachlorobutadiene	135	88	6.1	ND			ND			ND					
4-Chloro-3-methylphenol			5.0	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	4.9	898			ND			ND					
Hexachlorocyclopentadiene	951	951	5.6	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.9	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.6	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.7	ND			ND			ND					
2-Nitroaniline			7.8	ND			ND			ND					
Dimethylphthalate	204000000000	782000000	5.3	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.9	490			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.0	ND			ND			ND					
3-Nitroaniline			10.4	ND			ND			ND					
Acenaphthene	123000000	4690000	5.4	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.2	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.6	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.5	419			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.4	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.4	ND			0.51			ND					
Fluorene	81700000	3130000	6.4	ND			ND			ND					
4-Chlorophenyl-phenylether			5.4	ND			ND			ND					
4-Nitroaniline			5.7	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.9	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-03 0-2'
File #: 0812217-28

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1244	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-28			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.9	ND			ND			ND					
4-Bromophenyl-phenylether			4.6	ND			ND			ND					
Hexachlorobenzene	1650	399	5.2	ND			ND			ND					
Pentachlorophenol	23800	2660	8.1	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.6	1114			ND			ND					
Anthracene	613000000	23500000	5.2	465			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.1	538			6.09			13.70					
Fluoranthene	81700000	3130000	3.7	2591			ND			ND					
Pyrene	61300000	2350000	5.1	2187			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.4	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.0	1080			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.7	ND			ND			ND					
Chrysene	784000	87500	5.1	1645			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.9	175			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.1	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.4	746			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.2	ND			ND			ND					
Benzo(a)pyrene	784	88	3.8	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.1	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.9	99			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.5	643			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				52.22	200.0	26.11	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				56.83	200.0	28.42	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				62.42	100.0	62.42	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				77.61	100.0	77.61	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				65.59	200.0	32.80	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				51.17	100.0	51.17	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-04 0-2'
File #: 0812217-19

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	123	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.38g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-19 Detected Amount ug/kg (ppb)	0812217-19 Spike Amount ug	0812217-19 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
henol	123000000	46900000	3.5	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.7	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.9	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.1	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.1	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.1	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.8	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.0	ND			ND			ND					
4-Methylphenol	10200000	391000	5.9	ND			ND			ND					
Hexachloroethane	93300	45600	5.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.6	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.6	ND			ND			ND					
Isophorone	4570000	672000	6.3	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.1	ND			ND			ND					
2-Nitrophenol			6.2	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.2	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.0	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.5	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.4	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.8	ND			ND			ND					
4-Chloroaniline	817000	3130	5.8	ND			ND			ND					
lexachlorobutadiene	135	88	6.4	ND			ND			ND					
Chloro-3-methylphenol			5.2	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.1	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.8	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.2	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.8	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.9	ND			ND			ND					
2-Nitroaniline			8.2	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.6	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.1	72			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.3	ND			ND			ND					
3-Nitroaniline			10.9	ND			ND			ND					
Acenaphthene	123000000	4690000	5.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.7	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.8	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.7	303			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.7	ND			0.51			ND					
Fluorene	81700000	3130000	6.7	ND			ND			ND					
4-Chlorophenyl-phenylether			5.6	ND			ND			ND					
4-Nitroaniline			5.9	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.3	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-04 0-2'
File #: 0812217-19

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	123	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for 5mg	0812217-19			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.1	ND			ND			ND					
4-Bromophenyl-phenylether			4.8	ND			ND			ND					
Hexachlorobenzene	1650	399	5.4	ND			ND			ND					
Pentachlorophenol	23800	2660	8.5	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.8	1283.95			ND			ND					
Anthracene	613000000	23500000	5.4	148.62			ND			13.70					
Di-n-butylphthalate	2280000	2280000	5.3	204.87			6.09			ND					
Fluoranthene	81700000	3130000	3.9	374			ND			24.88	100.0	24.88	48.75	100.0	48.75
Pyrene	61300000	2350000	5.4	564			ND			ND					
Butylbenzylphthalate	928000	928000	6.7	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.2	364			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.2	ND			ND			ND					
Chrysene	784000	87500	5.3	920			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.2	115			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.4	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.6	672			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.3	ND			ND			ND					
Benzo(a)pyrene	784	88	4.0	404			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.3	226			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.1	116			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.8	1423			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				153.94	200.0	76.97	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				171.38	200.0	85.69	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				58.6	100.0	58.60	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				73.28	100.0	73.28	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				180.24	200.0	90.12	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				58.99	100.0	58.99	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-05 0-2'
File #: 0812217-31

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	320	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 18.98g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-31 Detected Amount ug/kg (ppb)	0812217-31 Spike Amount ug	0812217-31 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.3	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.3	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.6	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.2	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.8	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.3	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.8	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.5	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.5	ND			ND			ND					
4-Methylphenol	10200000	391000	5.5	ND			ND			ND					
Hexachloroethane	93300	45600	5.0	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.1	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.2	ND			ND			ND					
Isophorone	4570000	672000	5.8	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.8	ND			ND			ND					
2-Nitrophenol			5.7	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.0	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.5	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.3	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	5.9	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.4	ND			ND			ND					
4-Chloroaniline	817000	3130	5.4	ND			ND			ND					
Hexachlorobutadiene	135	88	5.9	ND			ND			ND					
4-Chloro-3-methylphenol			4.9	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	4.7	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.4	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.7	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.5	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.6	ND			ND			ND					
2-Nitroaniline			7.6	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.2	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.7	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.8	ND			ND			ND					
3-Nitroaniline			10.1	ND			ND			ND					
Acenaphthene	123000000	4690000	5.2	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	8.9	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.4	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.3	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.2	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.2	ND			0.51			ND					
Fluorene	81700000	3130000	6.2	ND			ND			ND					
4-Chlorophenyl-phenylether			5.2	ND			ND			ND					
4-Nitroaniline			5.5	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.7	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-05 0-2'
File #: 0812217-31

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	320	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-31			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.7	ND			ND			ND					
4-Bromophenyl-phenylether			4.4	ND			ND			ND					
Hexachlorobenzene	1650	399	5.0	ND			ND			ND					
Pentachlorophenol	23800	2660	7.9	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.5	ND			ND			ND					
Anthracene	613000000	23500000	5.0	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	4.9	ND			6.09			13.70					
Fluoranthene	81700000	3130000	3.6	9315			ND			ND					
Pyrene	61300000	2350000	5.0	268			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.2	ND			ND			ND					
Benzo(a)anthracene	7840	875	4.9	287			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.4	ND			ND			ND					
Chrysene	784000	87500	4.9	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.7	250			0.78			ND					
Di-n-octylphthalate	4080000	1560000	5.9	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.3	384			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.1	434			ND			ND					
Benzo(a)pyrene	784	88	3.7	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	4.9	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.7	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.3	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				154	200.0	77.00	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				156.1	200.0	78.05	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				129.7	100.0	129.70	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				162.8	100.0	162.80	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				196.5	200.0	98.25	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				132.7	100.0	132.70	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
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BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-06 0-2'
File #: 0812217-37

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 359 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.21g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-37			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
henol	123000000	46900000	3.7	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.9	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.9	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.5	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.3	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.0	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND					
4-Methylphenol	10200000	391000	6.2	ND			ND			ND					
Hexachloroethane	93300	45600	5.7	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.9	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.8	ND			ND			ND					
Isophorone	4570000	672000	6.5	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.3	ND			ND			ND					
2-Nitrophenol			6.5	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.8	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.7	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.7	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.0	579			ND			ND					
4-Chloroaniline	817000	3130	6.0	ND			ND			ND					
Hexachlorobutadiene	135	88	6.7	ND			ND			ND					
-Chloro-3-methylphenol			5.5	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.3	642			ND			ND					
Hexachlorocyclopentadiene	951	951	6.1	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.5	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.0	ND			ND			ND					
2-Nitroaniline			8.5	ND			ND			ND					
Dimethylphthalate	2040000000	782000000	5.8	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.4	1070			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.5	ND			ND			ND					
3-Nitroaniline			11.4	ND			ND			ND					
Acenaphthene	123000000	4690000	5.9	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.1	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.0	320			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.9	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.0	ND			0.51			ND					
Fluorene	81700000	3130000	7.0	63			ND			ND					
4-Chlorophenyl-phenylether			5.9	ND			ND			ND					
4-Nitroaniline			6.2	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.7	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-06 0-2'
File #: 0812217-37

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	359	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-37			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
n-Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
4-Bromophenyl-phenylether			5.0	ND			ND			ND					
Hexachlorobenzene	1650	399	5.7	ND			ND			ND					
Pentachlorophenol	23800	2660	8.9	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.0	106			ND			ND					
Anthracene	613000000	23500000	5.7	232			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	229			6.09			13.70					
Fluoranthene	81700000	3130000	4.0	750			ND			ND					
Pyrene	61300000	2350000	5.6	906			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.0	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.5	607			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.7	ND			ND			ND					
Chrysene	784000	87500	5.5	736			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.5	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.7	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	1631			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.5	334			ND			ND					
Benzo(a)pyrene	784	88	4.2	603			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	506			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.4	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.1	323			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				54.42	200.0	27.21	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				45.49	200.0	22.75	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				62.57	100.0	62.57	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				81.26	100.0	81.26	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				61.77	200.0	30.89	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				44.4	100.0	44.40	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-07 0-2'
File #: 0812217-01

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 1638 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.16g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-01 Detected Amount ug/kg (ppb)	0812217-01 Spike Amount ug	0812217-01 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.5	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.6	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.8	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.1	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.9	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.0	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.8	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.9	ND			ND			ND					
4-Methylphenol	10200000	391000	5.8	ND			ND			ND					
Hexachloroethane	93300	45600	5.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.5	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.5	ND			ND			ND					
Isophorone	4570000	672000	6.2	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.0	ND			ND			ND					
2-Nitrophenol			6.1	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.9	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.9	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.5	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.3	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.7	579			ND			ND					
4-Chloroaniline	817000	3130	5.7	ND			ND			ND					
Hexachlorobutadiene	135	88	6.3	ND			ND			ND					
4-Chloro-3-methylphenol			5.2	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.0	642			ND			ND					
Hexachlorocyclopentadiene	951	951	5.8	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.1	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.8	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.8	ND			ND			ND					
2-Nitroaniline			8.0	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.5	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.0	1070			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.2	ND			ND			ND					
3-Nitroaniline			10.7	ND			ND			ND					
Acenaphthene	123000000	4690000	5.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.5	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.8	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.6	320			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.6	ND			0.51			ND					
Fluorene	81700000	3130000	6.6	63			ND			ND					
4-Chlorophenyl-phenylether			5.6	ND			ND			ND					
4-Nitroaniline			5.8	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.2	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-07 0-2'
File #: 0812217-01

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1638	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.16g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-01			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.0	ND			ND			ND					
4-Bromophenyl-phenylether			4.7	ND			ND			ND					
Hexachlorobenzene	1650	399	5.4	ND			ND			ND					
Pentachlorophenol	23800	2660	8.4	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.8	1082			ND			ND					
Anthracene	613000000	23500000	5.4	1045			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.2	615			6.09			13.70					
Fluoranthene	81700000	3130000	3.8	2140			ND			ND					
Pyrene	61300000	2350000	5.3	2751			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.6	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.2	1584			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.1	ND			ND			ND					
Chrysene	784000	87500	5.2	2225			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.1	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.3	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.6	4751			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.3	1058			ND			ND					
Benzo(a)pyrene	784	88	4.0	1912			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.2	1527			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.0	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.7	852			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				119.7	200.0	59.85	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				108	200.0	54.00	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				117.7	100.0	117.70	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				155.7	100.0	155.70	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				132.8	200.0	66.40	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				83.2	100.0	83.20	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-08 0-2'
File #: 0812217-34

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	1510	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 22.35g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-34 Detected Amount ug/kg (ppb)	0812217-34 Spike Amount ug	0812217-34 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
[redacted]henol	123000000	46900000	3.8	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted]is(2-chloroethyl)ether	9080	5930	5.1	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.2	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	6.1	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.5	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	11.0	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.4	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.1	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.5	ND			ND			ND					
4-Methylphenol	10200000	391000	6.4	ND			ND			ND					
Hexachloroethane	93300	45600	5.9	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	7.2	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	6.1	ND			ND			ND					
Isophorone	4570000	672000	6.8	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.4	ND			ND			ND					
2-Nitrophenol			6.7	ND			ND			ND					
Benzoic Acid	817000000	313000000	16.5	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.5	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.8	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	7.0	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.3	579			ND			ND					
4-Chloroaniline	817000	3130	6.3	ND			ND			ND					
Hexachlorobutadiene	135	88	7.0	ND			ND			ND					
[redacted]-Chloro-3-methylphenol			5.7	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]-Methylnaphthalene	81800000	3130000	5.6	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.4	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.7	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.3	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.2	ND			ND			ND					
2-Nitroaniline			8.9	ND			ND			ND					
Dimethylphthalate	204000000000	782000000	6.1	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.7	796			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.8	ND			ND			ND					
3-Nitroaniline			11.8	ND			ND			ND					
Acenaphthene	123000000	4690000	6.1	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.5	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.4	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.2	320			ND			ND					
2,4-Dinitrotoluene	408000	156000	6.1	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.3	ND			0.51			ND					
Fluorene	81700000	3130000	7.3	63			ND			ND					
4-Chlorophenyl-phenylether			6.1	ND			ND			ND					
4-Nitroaniline			6.4	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	9.0	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-08 0-2'
File #: 0812217-34

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1510	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-34			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
n-Nitrosodiphenylamine	1170000	130000	5.6	ND			ND			ND					
4-Bromophenyl-phenylether			5.2	ND			ND			ND					
Hexachlorobenzene	1650	399	5.9	ND			ND			ND					
Pentachlorophenol	23800	2660	9.3	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.3	40			ND			ND					
Anthracene	613000000	23500000	5.9	67			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.8	240			6.09			13.70					
Fluoranthene	81700000	3130000	4.2	213			ND			ND					
Pyrene	61300000	2350000	5.8	282			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.3	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.7	184			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	12.2	ND			ND			ND					
Chrysene	784000	87500	5.8	206			ND			ND					
Bis[2-ethylhexyl]phthalate	409000	45600	6.7	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	7.0	ND			ND			ND					
Benzo[b]fluoranthene	7840	875	5.0	9980			ND			ND					
Benzo[k]fluoranthene	78400	8750	3.6	104			ND			ND					
Benzo[a]pyrene	784	88	4.4	187			ND			ND					
Indeno[1,2,3-c,d]pyrene	7840	875	5.8	118			ND			ND					
Dibenzo[a,h]anthracene	784	88	6.7	ND			ND			ND					
Benzo[g,h,i]perylene	61300000	2350000	7.4	93			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				74.0	200.0	37.02	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				84.4	200.0	42.22	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				23.8	100.0	23.82	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				31.6	100.0	31.62	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				111.8	200.0	55.89	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				34.7	100.0	34.74	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-09 0-2'
File #: 0812217-16

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 1707 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 18.15g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-16			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]enol	123000000	46900000	3.1	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted]s(2-chloroethyl)ether	9080	5930	4.1	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.4	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.0	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.7	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	8.9	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.6	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.4	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.3	ND			ND			ND					
4-Methylphenol	10200000	391000	5.2	ND			ND			ND					
Hexachloroethane	93300	45600	4.8	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	5.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	4.9	ND			ND			ND					
Isophorone	4570000	672000	5.5	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.6	ND			ND			ND					
2-Nitrophenol			5.5	ND			ND			ND					
Benzoic Acid	817000000	313000000	13.4	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.3	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.1	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	5.6	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.1	579			ND			ND					
4-Chloroaniline	817000	3130	5.1	ND			ND			ND					
[redacted]exachlorobutadiene	135	88	5.6	ND			ND			ND					
[redacted]hloro-3-methylphenol			4.6	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]-Methylnaphthalene	81800000	3130000	4.5	642			ND			ND					
Hexachlorocyclopentadiene	951	951	5.2	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.5	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.3	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.4	ND			ND			ND					
2-Nitroaniline			7.2	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	4.9	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.4	796			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.5	ND			ND			ND					
3-Nitroaniline			9.6	ND			ND			ND					
Acenaphthene	123000000	4690000	5.0	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	8.5	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.2	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.0	320			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.0	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	5.9	ND			0.51			ND					
Fluorene	81700000	3130000	5.9	63			ND			ND					
4-Chlorophenyl-phenylether			5.0	ND			ND			ND					
4-Nitroaniline			5.2	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.3	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-09 0-2'
File #: BT46082

Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1707	EDR
	Date	Time	Analyst

Sample Type: SOIL
Extraction Method: 35508
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-16			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.5	ND			ND			ND					
4-Bromophenyl-phenylether			4.2	ND			ND			ND					
Hexachlorobenzene	1650	399	4.8	ND			ND			ND					
Pentachlorophenol	23800	2660	7.5	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.3	886			ND			ND					
Anthracene	613000000	23500000	4.8	899			ND			ND					
Di-n-butylphthalate	2280000	2280000	4.7	551			6.09			13.70					
Fluoranthene	81700000	3130000	3.4	2816			ND			ND					
Pyrene	61300000	2350000	4.7	3156			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	5.9	ND			ND			ND					
Benzo(a)anthracene	7840	875	4.6	1703			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	9.9	ND			ND			ND					
Chrysene	784000	87500	4.7	2483			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.5	63			0.78			ND					
Di-n-octylphthalate	4080000	1560000	5.6	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.1	4612			ND			ND					
Benzo(k)fluoranthene	78400	8750	2.9	982			ND			ND					
Benzo(a)pyrene	784	88	3.5	1815			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	4.7	1205			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.4	171			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.0	363			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				124.34	200.0	62.17	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				123.62	200.0	61.81	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				134.5	100.0	134.50	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				163.9	100.0	163.90	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				153.5	200.0	76.75	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				87.92	100.0	87.92	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-10 0-2'
File #: 0812217-22

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 1628 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.63g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-22 Detected Amount ug/kg (ppb)	0812217-22 Spike Amount ug	0812217-22 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
[redacted]henol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.9	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.7	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.2	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.2	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.1	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.1	ND			ND			ND					
4-Methylphenol	10200000	391000	6.0	ND			ND			ND					
Hexachloroethane	93300	45600	5.5	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.7	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.7	ND			ND			ND					
Isophorone	4570000	672000	6.3	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.1	ND			ND			ND					
2-Nitrophenol			6.3	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.4	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.1	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.5	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.9	502			ND			ND					
4-Chloroaniline	817000	3130	5.9	ND			ND			ND					
Hexachlorobutadiene	135	88	6.5	ND			ND			ND					
[redacted]-Chloro-3-methylphenol			5.3	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]-Methylnaphthalene	81800000	3130000	5.2	832			ND			ND					
Hexachlorocyclopentadiene	951	951	5.9	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.3	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.9	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.9	ND			ND			ND					
2-Nitroaniline			8.3	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.7	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.2	1266			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.3	ND			ND			ND					
3-Nitroaniline			11.0	ND			ND			ND					
Acenaphthene	123000000	4690000	5.7	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.8	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.9	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.8	363			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.7	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.8	ND			0.51			ND					
Fluorene	81700000	3130000	6.8	103			ND			ND					
4-Chlorophenyl-phenylether			5.7	ND			ND			ND					
4-Nitroaniline			6.0	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.4	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-10 0-2'
File #: 0812217-22

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1628	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-22			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Nitrosodiphenylamine	1170000	130000	5.2	ND			ND			ND					
Bromophenyl-phenylether			4.8	ND			ND			ND					
Hexachlorobenzene	1650	399	5.5	ND			ND			ND					
Pentachlorophenol	23800	2660	8.6	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.9	1567			ND			ND					
Anthracene	613000000	23500000	5.5	1412			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.4	1211			6.09			13.70					
Fluoranthene	81700000	3130000	3.9	5771			ND			ND					
Pyrene	61300000	2350000	5.5	5258			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.8	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.3	2937			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.4	ND			ND			ND					
Chrysene	784000	87500	5.4	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.3	291			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.5	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.7	7484			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	1670			ND			ND					
Benzo(a)pyrene	784	88	4.1	3090			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.4	2074			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.2	245			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.9	1936			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				282	200.0	140.82	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				313	200.0	156.70	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				70	100.0	69.72	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				80	100.0	79.82	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				257	200.0	128.33	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				80	100.0	80.18	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-11 0-2'
File #: 0812217-13

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 1746 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.07g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-13 Detected Amount ug/kg (ppb)	0812217-13 Spike Amount ug	0812217-13 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.3	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.4	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.6	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.3	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.9	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.5	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.8	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.6	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.6	ND			ND			ND					
4-Methylphenol	10200000	391000	5.6	ND			ND			ND					
Hexachloroethane	93300	45600	5.1	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.2	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.2	ND			ND			ND					
Isophorone	4570000	672000	5.9	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.8	ND			ND			ND					
2-Nitrophenol			5.8	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.3	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.6	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.3	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.0	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.4	664			ND			ND					
4-Chloroaniline	817000	3130	5.4	ND			ND			ND					
Hexachlorobutadiene	135	88	6.0	ND			ND			ND					
4-Chloro-3-methylphenol			4.9	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	4.8	891			ND			ND					
Hexachlorocyclopentadiene	951	951	5.5	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.8	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.5	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.6	ND			ND			ND					
2-Nitroaniline			7.7	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.2	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.8	2791			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.9	ND			ND			ND					
3-Nitroaniline			10.2	ND			ND			ND					
Acenaphthene	123000000	4690000	5.3	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.5	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.4	444			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.3	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.3	ND			0.51			ND					
Fluorene	81700000	3130000	6.3	262			ND			ND					
4-Chlorophenyl-phenylether			5.3	ND			ND			ND					
4-Nitroaniline			5.6	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.8	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-11 0-2'
File #: 0812217-13

	Date	Time	
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1746	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-13			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
					Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
	Restricted	Unrestricted													
N-Nitrosodiphenylamine	1170000	130000	4.8	ND			ND			ND					
4-Bromophenyl-phenylether			4.5	ND			ND			ND					
Hexachlorobenzene	1650	399	5.1	ND			ND			ND					
Pentachlorophenol	23800	2660	8.0	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.5	1277			ND			ND					
Anthracene	613000000	23500000	5.1	3143			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.0	292			6.09			13.70					
Fluoranthene	81700000	3130000	3.6	7088			ND			ND					
Pyrene	61300000	2350000	5.1	9301			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.3	ND			ND			ND					
Benzo(a)anthracene	7840	875	4.9	7620			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.6	ND			ND			ND					
Chrysene	784000	87500	5.0	7830			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.8	99			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.0	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.4	15600			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.1	4072			ND			ND					
Benzo(a)pyrene	784	88	3.8	6606			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.0	4185			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.8	660			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.4	642			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				200	200.0	100.12	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				237	200.0	118.42	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				59	100.0	59.02	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				80	100.0	79.70	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				234	200.0	117.16	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				62	100.0	61.96	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by: _____

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-12 0-2'
File #: 0812217-04

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 1825 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.70g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-04			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.9	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.7	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.2	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.2	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.1	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.1	ND			ND			ND					
4-Methylphenol	10200000	391000	6.0	ND			ND			ND					
Hexachloroethane	93300	45600	5.5	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.7	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.7	ND			ND			ND					
Isophorone	4570000	672000	6.3	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.1	ND			ND			ND					
2-Nitrophenol			6.3	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.4	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.1	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.5	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.9	ND			ND			ND					
4-Chloroaniline	817000	3130	5.9	ND			ND			ND					
Hexachlorobutadiene	135	88	6.5	ND			ND			ND					
4-Chloro-3-methylphenol			5.3	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.2	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.9	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.3	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.9	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.9	ND			ND			ND					
2-Nitroaniline			8.3	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.7	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.2	126.59			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.3	ND			ND			ND					
3-Nitroaniline			11.0	ND			ND			ND					
Acenaphthene	123000000	4690000	5.7	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.8	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.9	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.8	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.7	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.8	ND			0.51			ND					
Fluorene	81700000	3130000	6.8	ND			ND			ND					
4-Chlorophenyl-phenylether			5.7	ND			ND			ND					
4-Nitroaniline			6.0	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.4	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-12 0-2'
File #: 0812217-04

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1825	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-04			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Rasricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.2	ND			ND			ND					
4-Bromophenyl-phenylether			4.8	ND			ND			ND					
Hexachlorobenzene	1650	399	5.5	ND			ND			ND					
Pentachlorophenol	23800	2660	8.6	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.9	93.73			ND			ND					
Anthracene	613000000	23500000	5.5	132.87			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.4	220.81			6.09			13.70					
Fluoranthene	81700000	3130000	3.9	457.08			ND			ND					
Pyrene	61300000	2350000	5.5	418.42			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.8	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.3	260.91			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.4	ND			ND			ND					
Chrysene	784000	87500	5.4	490.41			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.3	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.5	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.7	663.39			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	189.88			ND			ND					
Benzo(a)pyrene	784	88	4.1	318.89			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.4	246.42			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.2	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.9	195.68			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				200.8	200.0	100.40	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				201.94	200.0	100.97	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				172.28	100.0	172.28	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				185.3	100.0	185.30	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				191.04	200.0	95.52	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				92.84	100.0	92.84	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-13 0-2'
File #: 0812217-07

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	1904	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.23g

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-07			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.3	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted](2-chloroethyl)ether	9080	5930	4.4	ND			ND			ND					
[redacted]Chlorophenol	10200000	391000	3.6	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.3	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.9	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.5	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.8	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.6	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.6	ND			ND			ND					
4-Methylphenol	10200000	391000	5.6	ND			ND			ND					
Hexachloroethane	93300	45600	5.1	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.2	ND			ND			ND					
Nitrobenzene	8410	8410	5.2	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Isophorone	4570000	672000	5.9	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.8	ND			ND			ND					
2-Nitrophenol			5.8	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.3	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.6	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.3	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.0	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.4	ND			ND			ND					
4-Chloroaniline	817000	3130	5.4	ND			ND			ND					
Hexachlorobutadiene	135	88	6.0	ND			ND			ND					
4-Chloro-3-methylphenol			4.9	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]ethylnaphthalene	81800000	3130000	4.8	ND			ND			ND					
[redacted]xachlorocyclopentadiene	951	951	5.5	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.8	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.5	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.6	ND			ND			ND					
2-Nitroaniline			7.7	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.2	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.8	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.9	ND			ND			ND					
3-Nitroaniline			10.2	ND			ND			ND					
Acenaphthene	123000000	4690000	5.3	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.5	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.4	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.3	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.3	ND			0.51 J			ND					
Fluorene	81700000	3130000	6.3	ND			ND			ND					
4-Chlorophenyl-phenylether			5.3	ND			ND			ND					
4-Nitroaniline			5.6	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.8	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-13 0-2'
File #: 0812217-07

	Date	Time	Analyst
Collection:	12/3/08	1500	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1904	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for 5mp	0812217-07			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.8	ND			ND			ND					
4-Bromophenyl-phenylether			4.5	ND			ND			ND					
Hexachlorobenzene	1650	399	5.1	ND			ND			ND					
Pentachlorophenol	23800	2660	8.0	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.5	59.29			ND			ND					
Anthracene	613000000	23500000	5.1	291.79			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.0	148.24			6.09			13.70					
Fluoranthene	81700000	3130000	3.6	1097.46			ND			ND					
Pyrene	61300000	2350000	5.1	1192.64			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.3	ND			ND			ND					
Benzo(a)anthracene	7840	875	4.9	613.75			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.6	ND			ND			ND					
Chrysene	784000	87500	5.0	898.25			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.8	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.0	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.4	1370.01			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.1	309.47			ND			ND					
Benzo(a)pyrene	784	88	3.8	580.98			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.0	446.79			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.8	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.4	268.38			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				99.77	200.0	49.89	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				121.65	200.0	60.83	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				49.74	100.0	49.74	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				77.49	100.0	77.49	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				149.60	200.0	74.80	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				51.88	100.0	51.88	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-14 0-2'
File #: 0812217-11

Received: 12/3/08 1500 MF
Extracted: 12/13/08 1630 EDR
Analyzed: 12/31/08 1943 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.32g

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-11			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]ol	123000000	46900000	3.5	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted]chloroethyl)ether	9080	5930	4.7	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.9	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.1	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.1	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.1	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.8	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.0	ND			ND			ND					
4-Methylphenol	10200000	391000	5.9	ND			ND			ND					
Hexachloroethane	93300	45600	5.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.6	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.6	ND			ND			ND					
Isophorone	4570000	672000	6.3	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.1	ND			ND			ND					
2-Nitrophenol			6.2	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.2	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.0	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.5	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.4	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.8	ND			ND			ND					
4-Chloroaniline	817000	3130	5.8	ND			ND			ND					
Hexachlorobutadiene	135	88	6.4	ND			ND			ND					
[redacted]loro-3-methylphenol			5.2	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]thylnaphthalene	81800000	3130000	5.1	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.8	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.2	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.8	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.9	ND			ND			ND					
2-Nitroaniline			8.2	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.6	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.1	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.3	ND			ND			ND					
3-Nitroaniline			10.9	ND			ND			ND					
Acenaphthene	123000000	4690000	5.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.7	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.8	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.7	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.7	ND			0.51 J			ND					
Fluorene	81700000	3130000	6.7	ND			ND			ND					
4-Chlorophenyl-phenylether			5.6	ND			ND			ND					
4-Nitroaniline			5.9	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.3	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-14 0-2'
File #: 0812217-11

	Date	Time	Analyst
Collection:	12/3/08	1500	MF
Extraction:	12/13/08	1630	EDR
Analysis:	12/31/08	1943	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-11			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]sodiphenylamine	1170000	130000	5.1	ND			ND			ND					
[redacted]hophenyl-phenylether			4.8	ND			ND			ND					
Hexachlorobenzene	1650	399	5.4	ND			ND			ND					
Pentachlorophenol	23800	2660	8.5	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.8	144.69			ND			ND					
Anthracene	613000000	23500000	5.4	116.15			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.3	176.19			6.09			13.70					
Fluoranthene	81700000	3130000	3.9	376.98			ND			ND					
Pyrene	61300000	2350000	5.4	352.37			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.7	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.2	211.13			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.2	ND			ND			ND					
Chrysene	784000	87500	5.3	344.50			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.2	447.85			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.4	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.6	406.51			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.3	96.46			ND			ND					
Benzo(a)pyrene	784	88	4.0	519.21			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.3	184.06			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.1	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.8	59.55			ND			ND					
				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
[redacted]ate Compounds															
[redacted]ophenol				64.26	200.0	32.13	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				62.52	200.0	31.26	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				57.14	100.0	57.14	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				82.00	100.0	82.00	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				149.44	200.0	74.72	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				70.90	100.0	70.90	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 0-2'
File #: 0812217-25

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/13/08	1630	EDR
Analyzed:	12/31/08	1021	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 17.22g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-25 Detected Amount ug/kg (ppb)	0812217-25 Spike Amount ug	0812217-25 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.0	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	3.9	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.2	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	4.7	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.5	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	8.4	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.4	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.2	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.0	ND			ND			ND					
4-Methylphenol	10200000	391000	5.0	ND			ND			ND					
Hexachloroethane	93300	45600	4.6	ND			ND			ND					
N-Nitroso-di-N-propylamine	618	91	5.5	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	4.7	ND			ND			ND					
Isophorone	4570000	672000	5.2	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.4	ND			ND			ND					
2-Nitrophenol			5.2	ND			ND			ND					
Benzoic Acid	817000000	313000000	12.7	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.0	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.0	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	5.4	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	4.8	573			ND			ND					
4-Chloroaniline	817000	3130	4.8	ND			ND			ND					
Hexachlorobutadiene	135	88	5.4	ND			ND			ND					
4-Chloro-3-methylphenol			4.4	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	4.3	720			ND			ND					
Hexachlorocyclopentadiene	951	951	4.9	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.2	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.2	ND			ND			ND					
2-Nitroaniline			6.8	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	4.7	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.1	1595			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.2	ND			ND			ND					
3-Nitroaniline			9.1	ND			ND			ND					
Acenaphthene	123000000	4690000	4.7	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	8.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	4.9	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	4.8	429			ND			ND					
2,4-Dinitrotoluene	408000	156000	4.7	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	5.6	ND			0.51			ND					
Fluorene	81700000	3130000	5.6	ND			ND			ND					
4-Chlorophenyl-phenylether			4.7	ND			ND			ND					
4-Nitroaniline			5.0	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.0	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-1 2-4'
File #: 0812217-41

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 1009 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.29g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-41			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.2	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.2	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.5	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.1	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.7	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.0	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.7	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.4	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.4	ND			ND			ND					
4-Methylphenol	10200000	391000	5.3	ND			ND			ND					
Hexachloroethane	93300	45600	4.9	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	5.9	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.0	ND			ND			ND					
Isophorone	4570000	672000	5.6	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.7	ND			ND			ND					
2-Nitrophenol			5.6	ND			ND			ND					
Benzoic Acid	817000000	313000000	13.6	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.4	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.2	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
1,2,4-Trichlorobenzene	527000	527000	5.7	ND			ND			ND					
Naphthalene	824000	645000	5.2	ND			ND			ND					
4-Chloroaniline	817000	3130	5.2	ND			ND			ND					
Hexachlorobutadiene	135	88	5.7	ND			ND			ND					
4-Chloro-3-methylphenol			4.7	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	4.6	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.2	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.6	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.3	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.5	ND			NO			ND					
2-Nitroaniline			7.3	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.0	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.5	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.6	ND			ND			ND					
3-Nitroaniline			9.8	ND			ND			ND					
Acenaphthene	123000000	4690000	5.1	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	8.7	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.2	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.1	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.1	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.0	ND			0.51			ND					
Fluorene	81700000	3130000	6.0	ND			ND			ND					
4-Chlorophenyl-phenylether			5.1	ND			ND			ND					
4-Nitroaniline			5.3	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.4	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-1 2-4'
File #: BT46082

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	1933	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-41			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.6	ND			ND			ND					
4-Bromophenyl-phenylether			4.3	ND			ND			ND					
Hexachlorobenzene	1650	399	4.9	ND			ND			ND					
Pentachlorophenol	23800	2660	7.6	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.3	ND			ND			ND					
Anthracene	613000000	23500000	4.9	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	4.8	107.00			6.09			13.70					
Fluoranthene	81700000	3130000	3.5	ND			ND			ND					
Pyrene	61300000	2350000	4.8	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.0	ND			ND			ND					
Benzo(a)anthracene	7840	875	4.7	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.1	ND			ND			ND					
Chrysene	784000	87500	4.8	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.6	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	5.7	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.1	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.0	ND			ND			ND					
Benzo(a)pyrene	784	88	3.6	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	4.8	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.5	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.1	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				0 *	200.0	0.00	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				0 *	200.0	0.00	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				0 *	100.0	0.00	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				0 *	100.0	0.00	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				0 *	200.0	0.00	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				0 *	100.0	0.00 *	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

* No Surrogate in sample

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-02 2-4'
File #: 0812217-44

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 1244 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.83g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-44			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.8	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.4	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.2	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND					
4-Methylphenol	10200000	391000	6.1	ND			ND			ND					
Hexachloroethane	93300	45600	5.6	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.7	ND			ND			ND					
Isophorone	4570000	672000	6.4	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.2	ND			ND			ND					
2-Nitrophenol			6.4	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.6	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.6	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.0	ND			ND			ND					
4-Chloroaniline	817000	3130	6.0	ND			ND			ND					
Hexachlorobutadiene	135	88	6.6	ND			ND			ND					
4-Chloro-3-methylphenol			5.4	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.3	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.0	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.4	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.0	ND			ND			ND					
2-Nitroaniline			8.4	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.7	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.3	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.4	ND			ND			ND					
3-Nitroaniline			11.2	ND			ND			ND					
Acenaphthene	123000000	4690000	5.8	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.9	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.0	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.9	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.8	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.9	35			0.51			ND					
Fluorene	81700000	3130000	6.9	ND			ND			ND					
4-Chlorophenyl-phenylether			5.8	ND			ND			ND					
4-Nitroaniline			6.1	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.5	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-02 2-4'
File #: 0812217-44

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	1244	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-44			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
4-Bromophenyl-phenylether			4.9	ND			ND			ND					
Hexachlorobenzene	1650	399	5.6	ND			ND			ND					
Pentachlorophenol	23800	2660	8.8	ND			ND			ND					
Phenanthrene	61300000	2350000	5.0	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Anthracene	613000000	23500000	5.6	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	ND			ND			ND					
Fluoranthene	81700000	3130000	4.0	204			6.09			13.70					
Pyrene	61300000	2350000	5.5	ND			ND			ND					
Butylbenzylphthalate	928000	928000	6.9	49			ND			24.88	100.0	24.88	48.75	100.0	48.75
Benzo(a)anthracene	7840	875	5.4	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.6	ND			ND			ND					
Chrysene	784000	87500	5.5	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.4	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.6	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	ND			ND			ND					
Benzo(a)pyrene	784	88	4.1	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.3	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.0	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				79.32	200.0	39.66	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				92.92	200.0	46.46	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				63.87	100.0	63.87	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				79.83	100.0	79.83	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				82.5	200.0	41.25	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				65.51	100.0	65.51	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-03 2-4'
File #: 0812217-29

Received: 12/3/08 1500 MF
Extracted: 12/13/08 2100 EDR
Analyzed: 12/30/08 123 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.95g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-29 Detected Amount ug/kg (ppb)	0812217-29 Spike Amount ug	0812217-29 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.3	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.4	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.6	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.3	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.9	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.5	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.8	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.6	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.6	ND			ND			ND					
4-Methylphenol	10200000	391000	5.6	ND			ND			ND					
Hexachloroethane	93300	45600	5.1	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.2	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.2	ND			ND			ND					
Isophorone	4570000	672000	5.9	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.8	ND			ND			ND					
2-Nitrophenol			5.8	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.3	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.6	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.3	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.0	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.4	ND			ND			ND					
4-Chloroaniline	817000	3130	5.4	ND			ND			ND					
Hexachlorobutadiene	135	88	6.0	ND			ND			ND					
4-Chloro-3-methylphenol			4.9	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	4.8	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.5	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.8	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.5	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.6	ND			ND			ND					
2-Nitroaniline			7.7	ND			ND			ND					
Dimethylphthalate	##########	782000000	5.2	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.8	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.9	ND			ND			ND					
3-Nitroaniline			10.2	ND			ND			ND					
Acenaphthene	123000000	4690000	5.3	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.5	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.4	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.3	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.3	ND			0.51			ND					
Fluorene	81700000	3130000	6.3	ND			ND			ND					
4-Chlorophenyl-phenylether			5.3	ND			ND			ND					
4-Nitroaniline			5.6	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.8	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-03 2-4'
File #: 0812217-29

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/13/08	2100	EDR
Analysis:	12/30/08	123	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-29			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.8	ND			ND			ND					
4-Bromophenyl-phenylether			4.5	ND			ND			ND					
Hexachlorobenzene	1650	399	5.1	ND			ND			ND					
Pentachlorophenol	23800	2660	8.0	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.5	ND			ND			ND					
Anthracene	613000000	23500000	5.1	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.0	ND			6.09			13.70					
Fluoranthene	81700000	3130000	3.6	ND			ND			ND					
Pyrene	61300000	2350000	5.1	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.3	ND			ND			ND					
Benzo(a)anthracene	7840	875	4.9	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.6	ND			ND			ND					
Chrysene	784000	87500	5.0	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.8	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.0	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.4	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.1	ND			ND			ND					
Benzo(a)pyrene	784	88	3.8	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.0	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.8	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.4	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				0	200.0	0.00 *	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				0	200.0	0.00 *	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				0	100.0	0.00 *	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				0	100.0	0.00 *	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				0	200.0	0.00 *	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				0	100.0	0.00 *	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

* No surrogate showing in sample.

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-04 2-4'
File #: 0812217-20

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 202 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.04g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-20			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.4	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.6	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.8	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.5	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.0	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.0	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.7	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.8	ND			ND			ND					
4-Methylphenol	10200000	391000	5.7	ND			ND			ND					
Hexachloroethane	93300	45600	5.3	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.4	ND			ND			ND					
Nitrobenzene	8410	8410	5.4	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Isophorone	4570000	672000	6.1	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.0	ND			ND			ND					
2-Nitrophenol			6.0	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.7	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.8	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.4	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.2	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.6	ND			ND			ND					
4-Chloroaniline	817000	3130	5.6	ND			ND			ND					
Hexachlorobutadiene	135	88	6.2	ND			ND			ND					
4-Chloro-3-methylphenol			5.1	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.0	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.7	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.0	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.7	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.8	ND			ND			ND					
2-Nitroaniline			7.9	ND			ND			ND					
Dimethylphthalate	204000000000	782000000	5.4	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.9	40			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.1	ND			ND			ND					
3-Nitroaniline			10.6	ND			ND			ND					
Acenaphthene	123000000	4690000	5.5	39			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.4	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
4-Nitrophenol	16400000	626000	5.7	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Dibenzofuran	8180000	313000	5.5	ND			ND								
2,4-Dinitrotoluene	408000	156000	5.5	ND			ND								
Diethylphthalate	1970000	1970000	6.5	39			0.51								
Fluorene	81700000	3130000	6.5	ND			ND								
4-Chlorophenyl-phenylether			5.5	ND			ND								
4-Nitroaniline			5.7	ND			ND								
4,6-Dinitro-2-methylphenol	204000	7820	8.1	ND			ND								

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-04 2-4'
File #: 0812217-20

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	202	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-20			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.0	ND			ND			ND					
4-Bromophenyl-phenylether			4.6	ND			ND			ND					
Hexachlorobenzene	1650	399	5.3	ND			ND			ND					
Pentachlorophenol	23800	2660	8.3	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.7	ND			ND			ND					
Anthracene	613000000	23500000	5.3	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.1	229.00			6.09			13.70					
Fluoranthene	81700000	3130000	3.8	ND			ND			ND					
Pyrene	61300000	2350000	5.2	39.00			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.5	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.1	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.9	ND			ND			ND					
Chrysene	784000	87500	5.1	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.0	53.00			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.2	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.5	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.2	ND			ND			ND					
Benzo(a)pyrene	784	88	3.9	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.1	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.9	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.6	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				141.65	200.0	70.83	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				127.68	200.0	63.84	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				116.34	100.0	116.34	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				147.74	100.0	147.74	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				126.77	200.0	63.39	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				74.66	100.0	74.66	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-06 2-4'
File #: 0812217-38

Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/30/08	319	EDR
	Date	Time	Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.88g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-38			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.5	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted]s[2-chloroethyl]ether	9080	5930	4.6	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.8	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.1	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.9	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.0	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.8	ND			ND			ND					
Bis[2-chloroisopropyl]ether	9080	5930	5.9	ND			ND			ND					
4-Methylphenol	10200000	391000	5.8	ND			ND			ND					
Hexachloroethane	93300	45600	5.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.5	ND			ND			ND					
Nitrobenzene	8410	8410	5.5	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Isophorone	4570000	672000	6.2	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.0	ND			ND			ND					
2-Nitrophenol			6.1	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.9	ND			ND			ND					
Bis[2-chloroethoxy]methane			5.9	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.5	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.3	ND			ND			ND					
Naphthalene	824000	645000	5.7	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
4-Chloroaniline	817000	3130	5.7	ND			ND			ND					
Hexachlorobutadiene	135	88	6.3	ND			ND			ND					
4-Chloro-3-methylphenol			5.2	ND			ND			ND					
[redacted]Methylnaphthalene	81800000	3130000	5.0	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
Hexachlorocyclopentadiene	951	951	5.8	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.1	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.8	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.8	ND			ND			ND					
2-Nitroaniline			8.0	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.5	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.0	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.2	ND			ND			ND					
3-Nitroaniline			10.7	ND			ND			ND					
Acenaphthene	123000000	4690000	5.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.5	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.8	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.6	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.6	46			0.51			ND					
Fluorene	81700000	3130000	6.6	ND			ND			ND					
4-Chlorophenyl-phenylether			5.6	ND			ND			ND					
4-Nitroaniline			5.8	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.2	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-06 2-4'
File #: 0812217-38

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	319	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for 5mp	0812217-38			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.0	ND			ND			ND					
4-Bromophenyl-phenylether			4.7	ND			ND			ND					
Hexachlorobenzene	1650	399	5.4	ND			ND			ND					
Pentachlorophenol	23800	2660	8.4	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.8	ND			ND			ND					
Anthracene	613000000	23500000	5.4	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.2	ND			6.09			13.70					
Fluoranthene	81700000	3130000	3.8	ND			ND			ND					
Pyrene	61300000	2350000	5.3	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	5.6	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.2	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.1	ND			ND			ND					
Chrysene	784000	87500	5.2	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.1	28.00			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.3	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.6	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.3	ND			ND			ND					
Benzo(a)pyrene	784	88	4.0	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.2	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.0	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.7	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				56.21	200.0	28.11	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				70.23	200.0	35.12	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				157.86	100.0	157.86	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				152.17	100.0	152.17	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				175.49	200.0	87.75	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				46.87	100.0	46.87	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-07 2-4'
File #: 0812217-02

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 358 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.00g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-02			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	4.2	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	5.5	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.6	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	6.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.9	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	11.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.8	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.5	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	7.0	ND			ND			ND					
4-Methylphenol	10200000	391000	7.0	ND			ND			ND					
Hexachloroethane	93300	45600	6.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	7.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	6.6	ND			ND			ND					
Isophorone	4570000	672000	7.4	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.8	ND			ND			ND					
2-Nitrophenol			7.3	ND			ND			ND					
Benzoic Acid	817000000	313000000	17.8	ND			ND			ND					
Bis(2-chloroethoxy)methane			7.0	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	4.2	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	7.5	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.8	ND			ND			ND					
4-Chloroaniline	817000	3130	6.8	ND			ND			ND					
Hexachlorobutadiene	135	88	7.5	ND			ND			ND					
4-Chloro-3-methylphenol			6.2	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	6.0	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.9	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	7.3	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.7	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.6	ND			ND			ND					
2-Nitroaniline			9.6	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	6.6	ND			ND			ND					
Acenaphthylene	123000000	4690000	7.2	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	7.4	ND			ND			ND					
3-Nitroaniline			12.8	ND			ND			ND					
Acenaphthene	123000000	4690000	6.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	11.4	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.9	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.7	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	6.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.9	ND			0.51			ND					
Fluorene	81700000	3130000	7.8	ND			ND			ND					
4-Chlorophenyl-phenylether			6.6	ND			ND			ND					
4-Nitroaniline			7.0	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	9.8	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-07 2-4'
File #: 0812217-02

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	358	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-02			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	6.0	ND			ND			ND					
4-Bromophenyl-phenylether			5.6	ND			ND			ND					
Hexachlorobenzene	1650	399	6.4	ND			ND			ND					
Pentachlorophenol	23800	2660	10.0	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.7	ND			ND			ND					
Anthracene	613000000	23500000	6.4	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	6.2	72.00			6.09			13.70					
Fluoranthene	81700000	3130000	4.6	ND			ND			ND					
Pyrene	61300000	2350000	6.3	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.9	ND			ND			ND					
Benzo(a)anthracene	7840	875	6.2	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	13.2	ND			ND			ND					
Chrysene	784000	87500	6.2	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	7.3	56.00			0.78			ND					
Di-n-octylphthalate	4080000	1560000	7.5	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	5.4	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.9	ND			ND			ND					
Benzo(a)pyrene	784	88	4.7	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	6.2	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	7.2	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	8.0	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				74.23	200.0	37.12	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				76.22	200.0	38.11	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				60.75	100.0	60.75	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				75.48	100.0	75.48	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				81.58	200.0	40.79	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				39.86	100.0	39.86	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-08 2-4'
File #: 0812217-35

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/31/08	1233	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.44g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-35			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.5	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.7	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.9	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.1	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.1	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.1	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.8	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.0	ND			ND			ND					
4-Methylphenol	10200000	391000	5.9	ND			ND			ND					
Hexachloroethane	93300	45600	5.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.6	ND			ND			ND					
Nitrobenzene	8410	8410	5.6	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Isophorone	4570000	672000	6.3	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.1	ND			ND			ND					
2-Nitrophenol			6.2	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.2	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.0	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.5	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.4	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.8	164			ND			ND					
4-Chloroaniline	817000	3130	5.8	ND			ND			ND					
Hexachlorobutadiene	135	88	6.4	ND			ND			ND					
4-Chloro-3-methylphenol			5.2	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.1	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.8	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.2	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.8	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.9	ND			ND			ND					
2-Nitroaniline			8.2	ND			ND			ND					
Dimethylphthalate	204000000000	782000000	5.6	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.1	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.3	ND			ND			ND					
3-Nitroaniline			10.9	ND			ND			ND					
Acenaphthene	123000000	4690000	5.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.7	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.8	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.7	142			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.7	71			0.51			ND					
Fluorene	81700000	3130000	6.7	ND			ND			ND					
4-Chlorophenyl-phenylether			5.6	ND			ND			ND					
4-Nitroaniline			5.9	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.3	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-08 2-4'
File #: 0812217-35

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/31/08	1233	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-35			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Rasricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.1	ND			ND			ND					
4-Bromophenyl-phenylether			4.8	ND			ND			ND					
Hexachlorobenzene	1650	399	5.4	ND			ND			ND					
Pentachlorophenol	23800	2660	8.5	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.8	190			ND			ND					
Anthracene	613000000	23500000	5.4	206			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.3	226			6.09			13.70					
Fluoranthene	81700000	3130000	3.9	355			ND			ND					
Pyrene	61300000	2350000	5.4	377			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.7	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.2	316			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.2	ND			ND			ND					
Chrysene	784000	87500	5.3	474			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.2	104			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.4	264			ND			ND					
Benzo(b)fluoranthene	7840	875	4.6	753			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.3	193			ND			ND					
Benzo(a)pyrene	784	88	4.0	358			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.3	264			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.1	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.8	291			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				104.54	200.0	52.27	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				106.27	200.0	53.14	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				98.63	100.0	98.63	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				119.52	100.0	119.52	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				92.5	200.0	46.25	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				63.58	100.0	63.58	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-09 2-4'
File #: 0812217-17

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/30/08	1637	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 24.13g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-17 Detected Amount ug/kg (ppb)	0812217-17 Spike Amount ug	0812217-17 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
Phenol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.9	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.7	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.2	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.2	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.1	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.1	ND			ND			ND					
4-Methylphenol	10200000	391000	6.0	ND			ND			ND					
Hexachloroethane	93300	45600	5.5	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.7	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.7	ND			ND			ND					
Isophorone	4570000	672000	6.3	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.1	ND			ND			ND					
2-Nitrophenol			6.3	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.4	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.1	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
1,2,4-Trichlorobenzene	527000	527000	6.5	ND			ND			ND					
Naphthalene	824000	645000	5.9	ND			ND			ND					
4-Chloroaniline	817000	3130	5.9	ND			ND			ND					
Hexachlorobutadiene	135	88	6.5	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
4-Chloro-3-methylphenol			5.3	ND			ND			ND					
2-Methylnaphthalene	81800000	3130000	5.2	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.9	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.3	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.9	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.9	ND			ND			ND					
2-Nitroaniline			8.3	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.7	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.2	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.3	ND			ND			ND					
3-Nitroaniline			11.0	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
Acenaphthene	123000000	4690000	5.7	ND			ND			ND					
2,4-Dinitrophenol	408000	156000	9.8	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
4-Nitrophenol	16400000	626000	5.9	ND			ND			ND					
Dibenzofuran	8180000	313000	5.8	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
2,4-Dinitrotoluene	408000	156000	5.7	ND			ND			ND					
Diethylphthalate	1970000	1970000	6.8	297			0.51			ND					
Fluorene	81700000	3130000	6.8	ND			ND			ND					
4-Chlorophenyl-phenylether			5.7	ND			ND			ND					
4-Nitroaniline			6.0	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.4	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-09 2-4'
File #: BT46082

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	1637	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-17			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[illegible]trosodiphenylamine	1170000	130000	5.2	ND			ND			ND					
4-Bromophenyl-phenylether			4.8	ND			ND			ND					
Hexachlorobenzene	1650	399	5.5	ND			ND			ND					
Pentachlorophenol	23800	2660	8.6	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.9	ND			ND			ND					
Anthracene	613000000	23500000	5.5	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.4	1612.00			6.09			13.70					
Fluoranthene	81700000	3130000	3.9	ND			ND			ND					
Pyrene	61300000	2350000	5.5	25.00			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.8	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.3	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.4	ND			ND			ND					
Chrysene	784000	87500	5.4	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.3	148.00			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.5	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.7	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	ND			ND			ND					
Benzo(a)pyrene	784	88	4.1	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.4	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.2	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.9	ND			ND			ND					
[illegible]rogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				17.81	200.0	8.91	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				88.13	200.0	44.07	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				78.09	100.0	78.09	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				98.08	100.0	98.08	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				111.4	200.0	55.70	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				68.12	100.0	68.12	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-10 2-4'
File #: 0812217-23

Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/30/08	1933	EDR
	Date	Time	Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.96g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-23			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.8	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	5.0	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.2	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	6.1	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.5	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.4	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.1	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.4	ND			ND			ND					
4-Methylphenol	10200000	391000	6.4	ND			ND			ND					
Hexachloroethane	93300	45600	5.8	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	7.1	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	6.0	ND			ND			ND					
Isophorone	4570000	672000	6.7	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.4	ND			ND			ND					
2-Nitrophenol			6.6	ND			ND			ND					
Benzoic Acid	817000000	313000000	16.3	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.4	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.8	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.9	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.2	ND			ND			ND					
4-Chloroaniline	817000	3130	6.2	ND			ND			ND					
Hexachlorobutadiene	135	88	6.9	ND			ND			ND					
4-Chloro-3-methylphenol			5.6	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.5	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.3	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.6	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.2	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.2	ND			ND			ND					
2-Nitroaniline			8.8	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	6.0	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.6	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.7	ND			ND			ND					
3-Nitroaniline			11.7	ND			ND			ND					
Acenaphthene	123000000	4690000	6.1	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.4	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.3	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.1	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	6.1	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.2	ND			0.51			ND					
Fluorene	81700000	3130000	7.2	ND			ND			ND					
4-Chlorophenyl-phenylether			6.1	ND			ND			ND					
4-Nitroaniline			6.4	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.9	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-10 2-4'
File #: BT46082

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/31/08	1628	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for 5mp	0812217-23			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.5	ND			ND			ND					
4-Bromophenyl-phenylether			5.1	ND			ND			ND					
Hexachlorobenzene	1650	399	5.8	ND			ND			ND					
Pentachlorophenol	23800	2660	9.1	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.2	ND			ND			ND					
Anthracene	613000000	23500000	5.8	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.7	262.00			6.09			13.70					
Fluoranthene	81700000	3130000	4.2	ND			ND			ND					
Pyrene	61300000	2350000	5.8	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.2	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.6	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	12.0	ND			ND			ND					
Chrysene	784000	87500	5.7	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.6	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.9	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	5.0	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.6	ND			ND			ND					
Benzo(a)pyrene	784	88	4.3	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.7	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.6	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.3	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				114	200.0	56.98	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				114	200.0	57.04	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				75	100.0	75.15	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				111	100.0	110.54	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				118	200.0	59.11	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				94	100.0	93.66	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by: _____

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-11 2-4'
File #: 0812217-14

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/30/08	1205	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.89g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-14			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.4	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.5	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.7	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.4	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.0	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.6	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.9	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.6	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.7	ND			ND			ND					
4-Methylphenol	10200000	391000	5.7	ND			ND			ND					
Hexachloroethane	93300	45600	5.2	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.3	ND			ND			ND					
Nitrobenzene	8410	8410	5.3	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Isophorone	4570000	672000	6.0	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.9	ND			ND			ND					
2-Nitrophenol			5.9	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.5	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.7	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.4	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.1	ND			ND			ND					
Naphthalene	824000	645000	5.5	589			ND			22.54	100.0	22.54	25.30	100.0	25.30
4-Chloroaniline	817000	3130	5.5	ND			ND			ND					
Hexachlorobutadiene	135	88	6.1	ND			ND			ND					
4-Chloro-3-methylphenol			5.0	ND			ND			ND					
2-Methylnaphthalene	81800000	3130000	4.9	898			ND			39.50	150.0	26.33	49.22	150.0	32.81
Hexachlorocyclopentadiene	951	951	5.6	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.9	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.6	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.7	ND			ND			ND					
2-Nitroaniline			7.8	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.3	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.9	490			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.0	ND			ND			ND					
3-Nitroaniline			10.4	ND			ND			ND					
Acenaphthene	123000000	4690000	5.4	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.2	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.6	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.5	419			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.4	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.4	ND			0.51			ND					
Fluorene	81700000	3130000	6.4	ND			ND			ND					
4-Chlorophenyl-phenylether			5.4	ND			ND			ND					
4-Nitroaniline			5.7	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.9	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-11 2-4'
File #: 0812217-14

Dry Sample Wt. 21.29 g

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	1205	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-14			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	4.9	ND			ND			ND					
4-Bromophenyl-phenylether			4.6	ND			ND			ND					
Hexachlorobenzene	1650	399	5.2	ND			ND			ND					
Pentachlorophenol	23800	2660	8.1	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.6	ND			ND			ND					
Anthracene	613000000	23500000	5.2	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.1	164.00			6.09			13.70					
Fluoranthene	81700000	3130000	3.7	ND			ND			ND					
Pyrene	61300000	2350000	5.1	22			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.4	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.0	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.7	ND			ND			ND					
Chrysene	784000	87500	5.1	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	5.9	41			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.1	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.4	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.2	ND			ND			ND					
Benzo(a)pyrene	784	88	3.8	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.1	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.9	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.5	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				75.83	200.0	37.92	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				83.4	200.0	41.70	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				57.76	100.0	57.76	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				61.61	100.0	61.61	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				62.21	200.0	31.11	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				58.79	100.0	58.79	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-12 2-4'
File #: 0812217-05

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/31/08 2051 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.23g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-05 Detected Amount ug/kg (ppb)	0812217-05 Spike Amount ug	0812217-05 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	LAB CONTROL Detected Amount ng/ul in the extract	LAB CONTROL Spike Amount ug	LAB CONTROL Spike % Recovery
[redacted]enol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted](2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.8	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.4	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.2	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND					
4-Methylphenol	10200000	391000	6.1	ND			ND			ND					
Hexachloroethane	93300	45600	5.6	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.7	ND			ND			ND					
Isophorone	4570000	672000	6.4	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.2	ND			ND			ND					
2-Nitrophenol			6.4	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.6	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.6	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.0	ND			ND			ND					
4-Chloroaniline	817000	3130	6.0	ND			ND			ND					
Hexachlorobutadiene	135	88	6.6	ND			ND			ND					
[redacted]Chloro-3-methylphenol			5.4	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]Methylnaphthalene	81800000	3130000	5.3	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.0	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.4	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.0	ND			ND			ND					
2-Nitroaniline			8.4	ND			ND			ND					
Dimethylphthalate	204000000000	782000000	5.7	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.3	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.4	ND			ND			ND					
3-Nitroaniline			11.2	ND			ND			ND					
Acenaphthene	123000000	4690000	5.8	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.9	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.0	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.9	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.8	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.9	123			0.51			ND					
Fluorene	81700000	3130000	6.9	ND			ND			ND					
4-Chlorophenyl-phenylether			5.8	ND			ND			ND					
4-Nitroaniline			6.1	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.5	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-12 2-4'
File #: 0812217-04

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/31/08	1825	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for 5mp	0812217-05			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
4-Bromophenyl-phenylether			4.9	ND			ND			ND					
Hexachlorobenzene	1650	399	5.6	ND			ND			ND					
Pentachlorophenol	23800	2660	8.8	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.0	ND			ND			ND					
Anthracene	613000000	23500000	5.6	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	1278.00			6.09			13.70					
Fluoranthene	81700000	3130000	4.0	ND			ND			ND					
Pyrene	61300000	2350000	5.5	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.9	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.4	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.6	ND			ND			ND					
Chrysene	784000	87500	5.5	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.4	79.00			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.6	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	ND			ND			ND					
Benzo(a)pyrene	784	88	4.1	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.3	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.0	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				606 *	400.0	151.50	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				578 *	400.0	144.50 *	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				118.6 *	200.0	59.30	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				148 *	200.0	74.00	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				278 *	400.0	69.50	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				129 *	200.0	64.50	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

* Double spiked surrogate.

Certified by: _____
Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY
QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-13 2-4'
File #: 0812217-08

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 2130 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 19.23g

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-08			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.8	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	5.0	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.2	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	6.1	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.5	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.4	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.1	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.4	ND			ND			ND					
4-Methylphenol	10200000	391000	6.4	ND			ND			ND					
Hexachloroethane	93300	45600	5.8	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	7.1	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	6.0	ND			ND			ND					
Isophorone	4570000	672000	6.7	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.4	ND			ND			ND					
2-Nitrophenol			6.6	ND			ND			ND					
Benzoic Acid	817000000	313000000	16.3	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.4	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.8	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.9	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.2	ND			ND			ND					
4-Chloroaniline	817000	3130	6.2	ND			ND			ND					
Hexachlorobutadiene	135	88	6.9	ND			ND			ND					
4-Chloro-3-methylphenol			5.6	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.5	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.3	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.6	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.2	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.2	ND			ND			ND					
2-Nitroaniline			8.8	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	6.0	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.6	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.7	ND			ND			ND					
3-Nitroaniline			11.7	ND			ND			ND					
Acenaphthene	123000000	4690000	6.1	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.4	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.3	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.1	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	6.1	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.2	345.0			0.51 J			ND					
Fluorene	81700000	3130000	7.2	ND			ND			ND					
4-Chlorophenyl-phenylether			6.1	ND			ND			ND					
4-Nitroaniline			6.4	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.9	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-13 2-4'
File #: 0812217-08

	Date	Time	Analyst
Collection:	12/3/08	1500	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	2130	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-08			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.5	ND			ND			ND					
4-Bromophenyl-phenylether			5.1	ND			ND			ND					
Hexachlorobenzene	1650	399	5.8	ND			ND			ND					
Pentachlorophenol	23800	2660	9.1	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.2	ND			ND			ND					
Anthracene	613000000	23500000	5.8	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.7	3971.0			6.09			13.70					
Fluoranthene	81700000	3130000	4.2	ND			ND			ND					
Pyrene	61300000	2350000	5.8	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.2	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.6	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	12.0	ND			ND			ND					
Chrysene	784000	87500	5.7	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.6	203.0			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.9	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	5.0	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.6	ND			ND			ND					
Benzo(a)pyrene	784	88	4.3	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.7	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.6	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.3	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				111.0	200.0	55.51	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				115.2	200.0	57.59	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				104.4	100.0	104.41	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				126.1	100.0	126.07	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				109.0	200.0	54.52	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				62.1	100.0	62.14	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-14 0-2'
File #: 0812217-11

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/31/08 2209 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.12g

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-11			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.4	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.6	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.8	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.5	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.0	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	9.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.0	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.7	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.8	ND			ND			ND					
4-Methylphenol	10200000	391000	5.7	ND			ND			ND					
Hexachloroethane	93300	45600	5.3	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.4	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.4	ND			ND			ND					
Isophorone	4570000	672000	6.1	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.0	ND			ND			ND					
2-Nitrophenol			6.0	ND			ND			ND					
Benzoic Acid	817000000	313000000	14.7	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.8	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.4	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.2	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.6	ND			ND			ND					
4-Chloroaniline	817000	3130	5.6	ND			ND			ND					
Hexachlorobutadiene	135	88	6.2	ND			ND			ND					
4-Chloro-3-methylphenol			5.1	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.0	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.7	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.0	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.7	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.8	ND			ND			ND					
2-Nitroaniline			7.9	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.4	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.9	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.1	ND			ND			ND					
3-Nitroaniline			10.6	ND			ND			ND					
Acenaphthene	123000000	4690000	5.5	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	9.4	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.7	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.5	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.5	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.5	ND			0.51 J			ND					
Fluorene	81700000	3130000	6.5	ND			ND			ND					
4-Chlorophenyl-phenylether			5.5	ND			ND			ND					
4-Nitroaniline			5.7	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.1	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-14 0-2'
File #: 0812217-11

	Date	Time	Analyst
Collection:	12/3/08	1500	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	2209	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-11			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.0	ND			ND			ND					
4-Bromophenyl-phenylether			4.6	ND			ND			ND					
Hexachlorobenzene	1650	399	5.3	ND			ND			ND					
Pentachlorophenol	23800	2660	8.3	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.7	50.2			ND			ND					
Anthracene	613000000	23500000	5.3	70.1			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.1	467.9			6.09			13.70					
Fluoranthene	81700000	3130000	3.8	230.1			ND			ND					
Pyrene	61300000	2350000	5.2	223.5			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.5	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.1	123.1			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.9	ND			ND			ND					
Chrysene	784000	87500	5.1	198.9			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.0	79.6			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.2	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.5	403.5			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.2	90.9			ND			ND					
Benzo(a)pyrene	784	88	3.9	179.0			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.1	124.5			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.9	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.6	81.9			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				37.37	200.0	18.69	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				38.78	200.0	19.39	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				40.20	100.0	40.20	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				50.05	100.0	50.05	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				48.60	200.0	24.30	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				29.31	100.0	29.31	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 2-4'
File #: 0812217-26

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/31/08	1021	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-26			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
4-Bromophenyl-phenylether			5.0	ND			ND			ND					
Hexachlorobenzene	1650	399	5.7	ND			ND			ND					
Pentachlorophenol	23800	2660	8.9	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.0	518			ND			ND					
Anthracene	613000000	23500000	5.7	1122			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	725			6.09			13.70					
Fluoranthene	81700000	3130000	4.0	3949			ND			ND					
Pyrene	61300000	2350000	5.6	4616			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.0	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.5	3293			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.7	ND			ND			ND					
Chrysene	784000	87500	5.5	4125			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.5	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.7	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	8492			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.5	1732			ND			ND					
Benzo(a)pyrene	784	88	4.2	3659			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	2378			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.4	277			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.1	2476			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				211.40	200.0	105.70	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				165.00	200.0	82.50	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				63.20	100.0	63.20	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				81.30	100.0	81.30	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				33.30	200.0	16.65	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				74.30	100.0	74.30	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 2-4'
File #: 0812217-26

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 2048 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 18.36g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-26			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]enol	123000000	46900000	3.7	7921			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.9	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.9	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.5	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.3	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.0	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND					
4-Methylphenol	10200000	391000	6.2	ND			ND			ND					
Hexachloroethane	93300	45600	5.7	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.9	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.8	ND			ND			ND					
Isophorone	4570000	672000	6.5	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.3	ND			ND			ND					
2-Nitrophenol			6.5	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.8	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.7	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.7	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	545000	6.0	ND			ND			ND					
4-Chloroaniline	817000	3130	6.0	ND			ND			ND					
Hexachlorobutadiene	135	88	6.7	ND			ND			ND					
[redacted]Chloro-3-methylphenol			5.5	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]Methylnaphthalene	81800000	3130000	5.3	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.1	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.5	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.0	ND			ND			ND					
2-Nitroaniline			8.5	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.8	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.4	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.5	ND			ND			ND					
3-Nitroaniline			11.4	ND			ND			ND					
Acenaphthene	123000000	4690000	5.9	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.1	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.0	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.9	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.0	ND			0.51			ND					
Fluorene	81700000	3130000	7.0	ND			ND			ND					
4-Chlorophenyl-phenylether			5.9	ND			ND			ND					
4-Nitroaniline			6.2	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.7	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 4-6'
File #: 0812217-27

Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/30/08	852	EDR
	Date	Time	Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt 18.36g

Compound Name	Tier1 TRG Limits (ug/Kg) Restricted	Tier1 TRG Limits (ug/Kg) Unrestricted	Corr MDL ug/kg (ppb) for Smp	0812217-27 Detected Amount ug/kg (ppb)	0812217-27 Spike Amount ug	0812217-27 Spike % Recovery	BLANK Detected Amount ng/ul (ppb)	BLANK Spike Amount ug	BLANK Spike % Recovery	MATRIX SPIKE Detected Amount ng/ul in the extract	MATRIX SPIKE Spike Amount ug	MATRIX SPIKE Spike % Recovery	Lab Control Detected Amount ng/ul in the extract	Lab Control % Recovery
henol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	#DIV/0!
Bis(2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND				
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	#DIV/0!
1,3-Dichlorobenzene	61300000	2350000	5.8	ND			ND			ND				
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	#DIV/0!
Benzyl Alcohol	204000000	23500000	10.4	ND			ND			ND				
1,2-Dichlorobenzene	279000	279000	4.2	ND			ND			ND				
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND				
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND				
4-Methylphenol	10200000	391000	6.1	ND			ND			ND				
Hexachloroethane	93300	45600	5.6	ND			ND			ND				
N-Nitroso-di-N-propylamine	818	91	6.8	ND			ND			23.30	100.0	23.30	27.32	#DIV/0!
Nitrobenzene	8410	8410	5.8	ND			ND			ND				
Isophorone	4570000	672000	6.5	ND			ND			ND				
2,4-Dimethylphenol	40800000	1560000	4.2	ND			ND			ND				
2-Nitrophenol			6.4	ND			ND			ND				
Benzoic Acid	817000000	313000000	15.6	ND			ND			ND				
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND				
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			ND				
1,2,4-Trichlorobenzene	527000	527000	6.6	ND			ND			22.54	100.0	22.54	25.30	#DIV/0!
Naphthalene	824000	645000	6.0	ND			ND			ND				
4-Chloroaniline	817000	3130	6.0	ND			ND			ND				
Hexachlorobutadiene	135	88	6.6	ND			ND			ND				
Chloro-3-methylphenol			5.4	ND			ND			39.50	150.0	26.33	49.22	#DIV/0!
Methylnaphthalene	81800000	3130000	5.3	ND			ND			ND				
Hexachlorocyclopentadiene	951	951	6.0	ND			ND			ND				
2,4,6-Trichlorophenol	314000	58100	6.4	ND			ND			ND				
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND				
2-Chloronaphthalene	164000000	6260000	4.0	ND			ND			ND				
2-Nitroaniline			8.4	ND			ND			ND				
Dimethylphthalate	20400000000	782000000	5.8	ND			ND			ND				
Acenaphthylene	123000000	4690000	6.3	ND			ND			ND				
2,6-Dinitrotoluene	2040000	78200	6.5	ND			ND			ND				
3-Nitroaniline			11.2	ND			ND			ND				
Acenaphthene	123000000	4690000	5.8	ND			ND			24.52	100.0	24.52	29.10	#DIV/0!
2,4-Dinitrophenol	408000	156000	10.0	ND			ND			ND				
4-Nitrophenol	16400000	626000	6.0	ND			ND			46.02	150.0	30.68	49.71	#DIV/0!
Dibenzofuran	8180000	313000	5.9	ND			ND			ND				
2,4-Dinitrotoluene	408000	156000	5.8	ND			ND			23.71	100.0	23.7	29.29	#DIV/0!
Diethylphthalate	1970000	1970000	6.9	ND			0.51			ND				
Fluorene	81700000	3130000	6.9	ND			ND			ND				
4-Chlorophenyl-phenylether			5.8	ND			ND			ND				
4-Nitroaniline			6.1	ND			ND			ND				
4,6-Dinitro-2-methylphenol	204000	7820	8.6	ND			ND			ND				

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 4-6'
File #: 0812217-27

Collection: 12/3/08 1225 MF
Extraction: 12/15/08 2100 EDR
Analysis: 12/31/08 1021 EDR
Date Tin Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-27			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
4-Bromophenyl-phenylether			4.9	ND			ND			ND					
Hexachlorobenzene	1650	399	5.6	ND			ND			ND					
Pentachlorophenol	23800	2660	8.8	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.0	ND			ND			ND					
Anthracene	613000000	23500000	5.6	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	2829.00			6.09			13.70					
Fluoranthene	81700000	3130000	4.0	ND			ND			ND					
Pyrene	61300000	2350000	5.5	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.9	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.4	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.6	ND			ND			ND					
Chrysene	784000	87500	5.5	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.4	78.00			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.6	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	ND			ND			ND					
Benzo(a)pyrene	784	88	4.1	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.3	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.0	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				113.76	200.0	56.88	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				119.82	200.0	59.91	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				29.17	100.0	29.17	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				27.57	100.0	27.57	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				128.55	200.0	64.28	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				28.79	100.0	28.79	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples Equipment Blank
File #: 0812217-46

Received: 12/3/08 1500 MF
Extracted: 12/15/08 2100 EDR
Analyzed: 12/30/08 2048 EDR
Date Time Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 24.64g

Compound Name	Tier1 TRG Limits (ug/Kg)		MDL ug/kg (ppb)	0812217-46			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	4.2	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	5.5	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.6	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	6.6	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.9	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	11.8	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.8	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.5	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	7.0	ND			ND			ND					
4-Methylphenol	10200000	391000	7.0	ND			ND			ND					
Hexachloroethane	93300	45600	6.4	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	7.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	6.6	ND			ND			ND					
Isophorone	4570000	672000	7.4	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.8	ND			ND			ND					
2-Nitrophenol			7.3	ND			ND			ND					
Benzoic Acid	817000000	313000000	17.8	ND			ND			ND					
Bis(2-chloroethoxy)methane			7.0	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	4.2	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
1,2,4-Trichlorobenzene	527000	527000	7.5	ND			ND			ND					
Naphthalene	824000	645000	6.8	ND			ND			ND					
4-Chloroaniline	817000	3130	6.8	ND			ND			ND					
Hexachlorobutadiene	135	88	7.5	ND			ND			ND					
4-Chloro-3-methylphenol			6.2	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	6.0	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.9	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	7.3	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.7	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.6	ND			ND			ND					
2-Nitroaniline			9.6	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	6.6	ND			ND			ND					
Acenaphthylene	123000000	4690000	7.2	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	7.4	ND			ND			ND					
3-Nitroaniline			12.8	ND			ND			ND					
Acenaphthene	123000000	4690000	6.6	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	11.4	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.9	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.7	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	6.6	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.9	ND			ND			ND					
Fluorene	81700000	3130000	7.8	ND			ND			ND					
4-Chlorophenyl-phenylether			6.6	ND			ND			ND					
4-Nitroaniline			7.0	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	9.8	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples Equipment Blank
File #: 0812217-46

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/31/08	1021	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		MDL ug/kg (ppb)	0812217-46			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	6.0	ND			ND			ND					
4-Bromophenyl-phenylether			5.6	ND			ND			ND					
Hexachlorobenzene	1650	399	6.4	ND			ND			ND					
Pentachlorophenol	23800	2660	10.0	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.7	ND			ND			ND					
Anthracene	613000000	23500000	6.4	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	6.2	ND			ND			13.70					
Fluoranthene	81700000	3130000	4.6	ND			ND			ND					
Pyrene	61300000	2350000	6.3	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.9	ND			ND			ND					
Benzo(a)anthracene	7840	875	6.2	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	13.2	ND			ND			ND					
Chrysene	784000	87500	6.2	ND			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	7.3	ND			ND			ND					
Di-n-octylphthalate	4080000	1560000	7.5	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	5.4	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.9	ND			ND			ND					
Benzo(a)pyrene	784	88	4.7	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	6.2	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	7.2	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	8.0	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol				211.40	200.0	105.70	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				165.00	200.0	82.50	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				63.20	100.0	63.20	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				81.30	100.0	81.30	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				33.30	200.0	16.65	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				74.30	100.0	74.30	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-14 0-2'
File #: 0812217-11

	Date	Time	Analyst
Collection:	12/3/08	1500	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/30/08	2209	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-11			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Resricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
N-Nitrosodiphenylamine	1170000	130000	5.0	ND			ND			ND					
[redacted]Bromophenyl-phenylether			4.6	ND			ND			ND					
Hexachlorobenzene	1650	399	5.3	ND			ND			ND					
Pentachlorophenol	23800	2660	8.3	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	4.7	50.2			ND			ND					
Anthracene	613000000	23500000	5.3	70.1			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.1	467.9			6.09			13.70					
Fluoranthene	81700000	3130000	3.8	230.1			ND			ND					
Pyrene	61300000	2350000	5.2	223.5			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.5	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.1	123.1			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	10.9	ND			ND			ND					
Chrysene	784000	87500	5.1	198.9			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.0	79.6			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.2	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.5	403.5			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.2	90.9			ND			ND					
Benzo(a)pyrene	784	88	3.9	179.0			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.1	124.5			ND			ND					
Dibenzo(a,h)anthracene	784	88	5.9	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	6.6	81.9			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
[redacted]Fluorophenol				37.37	200.0	18.69	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
[redacted]henol-d5				38.78	200.0	19.39	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				40.20	100.0	40.20	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				50.05	100.0	50.05	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				48.60	200.0	24.30	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				29.31	100.0	29.31 *	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 2-4'
File #: 0812217-26

Sample Dry Wt. 18.35g

Received:	12/3/08	1500	MF
Extracted:	12/15/08	2100	EDR
Analyzed:	12/30/08	2048	EDR
	Date	Time	Analyst

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-26			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]enol	123000000	46900000	3.7	7921			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted](2-chloroethyl)ether	9080	5930	4.9	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.9	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.5	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.3	ND			ND			ND					
2-Methylphenol	102000000	3910000	4.0	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND					
4-Methylphenol	10200000	391000	6.2	ND			ND			ND					
Hexachloroethane	93300	45600	5.7	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.9	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.8	ND			ND			ND					
Isophorone	4570000	672000	6.5	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.3	ND			ND			ND					
2-Nitrophenol			6.5	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.8	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.7	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	5.7	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.0	ND			ND			ND					
4-Chloroaniline	817000	3130	6.0	ND			ND			ND					
Hexachlorobutadiene	135	88	6.7	ND			ND			ND					
[redacted]Chloro-3-methylphenol			5.5	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]ethylnaphthalene	81800000	3130000	5.3	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.1	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.5	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	4.0	ND			ND			ND					
2-Nitroaniline			8.5	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.8	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.4	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.5	ND			ND			ND					
3-Nitroaniline			11.4	ND			ND			ND					
Acenaphthene	123000000	4690000	5.9	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.1	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.1	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	6.0	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.9	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	7.0	ND			0.51			ND					
Fluorene	81700000	3130000	7.0	ND			ND			ND					
4-Chlorophenyl-phenylether			5.9	ND			ND			ND					
4-Nitroaniline			6.2	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.7	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-15 2-4'
File #: 0812217-26

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/15/08	2100	EDR
Analysis:	12/31/08	1021	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-26			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
[redacted]romophenyl-phenylether			5.0	ND			ND			ND					
Hexachlorobenzene	1650	399	5.7	ND			ND			ND					
Pentachlorophenol	23800	2660	8.9	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.0	518			ND			ND					
Anthracene	613000000	23500000	5.7	1122			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	725			6.09			13.70					
Fluoranthene	81700000	3130000	4.0	3949			ND			ND					
Pyrene	61300000	2350000	5.6	4616			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	7.0	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.5	3293			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.7	ND			ND			ND					
Chrysene	784000	87500	5.5	4125			ND			ND					
Bis(2-ethylhexyl)phthalate	409000	45600	6.5	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.7	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	8492			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.5	1732			ND			ND					
Benzo(a)pyrene	784	88	4.2	3659			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	2378			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.4	277			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.1	2476			ND			ND					
[redacted]rrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
[redacted]luorophenol				211.40	200.0	105.70	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
Phenol-d5				165.00	200.0	82.50	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				63.20	100.0	63.20	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				81.30	100.0	81.30	33.49	100.0	33.49	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				33.30	200.0	16.65	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				74.30	100.0	74.30	22.08	100.0	22.08	24.38	100.0	24.38	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS- TTO - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Decon Water
File #: 0812217-47

	Date	Time	Analyst
Received	12/3/08	1610	MF
Extraction:	1/7/08	900	EDR
Analysis:	1/7/08	1934	EDR

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

Compound Name	CAS Number	MDL ug/L (ppb)	0812217-47			BLANK			Lab Control			Matrix Spike		
			Detected Amount ug/L (ppb)	Spike		Detected Amount ug/L (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
				Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol*	108-95-2	1.5	ND			ND			19.36	300.0	6.45	19.36	150.0	12.91
Bis(2-chloroethyl)ether	111-44-4	2.0	ND			ND			ND			ND		
2-Chlorophenol*	95-57-8	1.6	ND			ND			52.63	300.0	17.54	52.6	150.0	35.09
1,3-Dichlorobenzene	541-73-1	8.3	ND			ND			ND			ND		
1,4-Dichlorobenzene	106-46-7	6.1	ND			ND			26.86	200.0	13.43	26.86	100.0	26.86
Benzyl Alcohol	100-51-6	14.8	ND			ND			ND			ND		
1,2-Dichlorobenzene	95-50-1	6.0	ND			ND			ND			ND		
2-Methylphenol	95-48-7	1.7	ND			ND			ND			ND		
Bis(2-chloroisopropyl)ether	108-60-1	2.0	ND			ND			ND			ND		
4-Methylphenol	106-44-5	1.6	ND			ND			ND			ND		
Hexachloroethane	67-72-1	2.4	ND			ND			ND			ND		
N-Nitroso-di-N-propylamine	621-64-7	4.0	ND			ND			37.01	200.0	18.51	37.01	100.0	37.01
Nitrobenzene	98-95-3	1.8	ND			ND			ND			ND		
Isophorone	78-59-1	1.6	ND			ND			ND			ND		
2,4-Dimethylphenol	105-67-9	1.8	ND			ND			ND			ND		
2-Nitrophenol	88-75-5	1.5	ND			ND			ND			2.61		
Benzoic Acid	65-85-0	22.3	ND			ND			ND			3.92		
Bis(2-chloroethoxy)methane	111-91-1	1.5	ND			ND			ND			ND		
2,4-Dichlorophenol	120-83-2	1.1	ND			ND			ND			ND		
1,2,4-Trichlorobenzene	120-82-1	9.4	ND			ND			30.54	105.8	28.86	30.54	100.0	30.54
Naphthalene	91-20-3	1.5	ND			ND			ND			ND		
4-Chloroaniline	106-47-8	2.4	ND			ND			ND			ND		
Hexachlorobutadiene	87-68-3	3.0	ND			ND			ND			ND		
4-Chloro-3-methylphenol	59-50-7	1.7	ND			ND			68.55	300.0	22.85	68.6	150.0	45.70
2-Methylnaphthalene	91-57-6	1.3	ND			ND			ND			ND		
Hexachlorocyclopentadiene	77-47-4	2.3	ND			ND			ND			ND		
2,4,6-Trichlorophenol	88-06-2	3.7	ND			ND			ND			ND		
2,4,5-Trichlorophenol	95-95-4	4.6	ND			ND			ND			ND		
2-Chloronaphthalene	91-58-7	1.4	ND			ND			ND			ND		
2-Nitroaniline	88-74-4	1.5	ND			ND			ND			ND		
Dimethylphthalate	131-11-3	2.7	ND			ND			ND			ND		
Acenaphthylene	208-96-8	1.8	ND			ND			ND			ND		
2,6-Dinitrotoluene	606-20-2	2.1	ND			ND			ND			ND		
3-Nitroaniline	99-09-2	1.0	ND			ND			ND			ND		
Acenaphthene	83-32-9	1.5	ND			ND			41.29	200.0	20.65	41.29	100.0	41.29
2,4-Dinitrophenol	51-28-5	2.6	ND			ND			ND			ND		
4-Nitrophenol	100-02-7	1.3	ND			ND			83.81	300.0	27.94	38.27	150.0	25.51
Dibenzofuran	132-64-9	1.7	ND			ND			ND			ND		
2,4-Dinitrotoluene	121-14-2	1.6	ND			ND			137.14	200.0	137.14	44.18	100.0	44.18
Diethylphthalate	84-66-2	1.8	3.36			ND			ND			ND		
Fluorene	86-73-7	1.4	ND			ND			ND			ND		
4-Chlorophenyl-phenylether	7005-72-3	2.7	ND			ND			ND			ND		
4-Nitroaniline	100-01-6	2.0	ND			ND			ND			ND		
4,6-Dinitro-2-methylphenol	534-52-1	2.1	ND			ND			ND			ND		

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - TTO - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Decon Water
File #: 0812217-47

	Date	Time	Analyst
Collection:	12/3/08	15:45	MF
Extraction:	5/26/08	0:00	EDR
Analysis:	6/2/08	0:00	EDR

Sample Type: Water
Extraction Method: 3510C
Analysis Method: 8270C

Compound Name	CAS Number	MDL ug/L (ppb)	0812217-47 Detected Amount ug/L (ppb)	0812217-47 Spike Amount ug	0812217-47 Spike % Recovery	Method Blank Detected Amount ug/L (ppb)	Method Blank Spike Amount ug	Method Blank Spike % Recovery	Lab Control Detected Amount ng/ul in the extract	Lab Control Spike Amount ug	Lab Control Spike % Recovery	Matrix Spike Detected Amount ng/ul in the extract	Matrix Spike Spike Amount ug	Matrix Spike Spike % Recovery
N-Nitrosodiphenylamine	86-30-6	1.7	ND			ND			ND			ND		
4-Bromophenyl-phenylether	101-55-3	2.0	ND			ND			ND			ND		
Hexachlorobenzene	118-74-1	3.0	ND			ND			ND			ND		
Pentachlorophenol	87-86-5	2.5	ND			ND			68.3	300.0	22.78	102.46	150.0	68.31
Phenanthrene	85-01-8	1.8	0.40 J			ND			ND			0.00		
Anthracene	120-12-7	2.4	0.70 J			ND			ND			ND		
Di-n-butylphthalate	84-74-2	1.5	1.70			ND			ND			ND		
Fluoranthene	206-44-0	1.5	ND			ND			ND			ND		
Pyrene	129-00-0	1.2	1.61			ND			40.3	200.0	20.16	44.3	100.0	44.3
Butylbenzylphthalate	85-68-7	1.3	ND			ND			ND			ND		
Benzo(a)anthracene	56-55-3	0.9	ND			ND			ND			ND		
3,3'-Dichlorobenzidiene	91-94-1	1.7	ND			ND			ND			ND		
Chrysene	218-01-9	1.9	ND			ND			ND			ND		
Bis(2-ethylhexyl)phthalate	117-81-7	1.3	29.58			ND			ND			12.51		
Di-n-octylphthalate	117-84-0	2.3	ND			ND			ND			ND		
Benzo(b)fluoranthene	205-99-2	0.8	3.61			ND			ND			ND		
Benzo(k)fluoranthene	207-08-9	2.5	ND			ND			ND			ND		
Benzo(a)pyrene	50-32-8	3.8	1.39 J			ND			ND			ND		
Indeno(1,2,3-c,d)pyrene	193-39-5	1.7	ND			ND			ND			ND		
Dibenzo(a,h)anthracene	53-70-3	1.4	0.64 J			ND			ND			ND		
Benzo(g,h,i)perylene	191-24-2	4.1	1.38 J			ND			ND			ND		
Azobenzene	103-33-3	9.5	ND			ND			ND			ND		
Benzidine	92-87-5	6.6	ND			ND			ND			ND		
Surrogate Compounds			Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
2-Fluorophenol*			95.26	200	47.63	60.71	200.0	30.36	45.89	200.0	22.95	112.1	200.0	56.05
Phenol-d5*			71.25	200	35.63	44.43	200.0	22.22	34.33	200.0	17.17	82.9	200.0	41.44
Nitrobenzene-d5			42.34	100	42.34	39.61	100.0	39.61	31.31	100.0	31.31	44.33	100.0	44.33
2-Fluorobiphenyl			47.48	100	47.48	37.12	100.0	37.12	33.53	100.0	33.53	56.60	100.0	56.60
2,4,6-Tribromophenol			175.46	200	87.73	130.78	200.0	65.39	116.90	200.0	58.45	250.0	200.0	124.98
Terphenyl-d14			43.21	100	43.21	47.00	100.0	47.00	36.57	100.0	36.57	41.28	100.0	41.28

Certified by:

Michael S. Bonner, Ph.D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-08 4-6'
File #: 0812217-36

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/16/08	2200	EDR
Analyzed:	12/30/08	424	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 20.44g

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-36			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
Phenol	123000000	46900000	3.6	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
Bis(2-chloroethyl)ether	9080	5930	4.8	ND			ND			ND					
2-Chlorophenol	10200000	391000	4.0	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.8	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	4.3	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	10.4	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	4.2	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.9	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	6.2	ND			ND			ND					
4-Methylphenol	10200000	391000	6.1	ND			ND			ND					
Hexachloroethane	93300	45600	5.6	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	6.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	5.8	ND			ND			ND					
Isophorone	4570000	672000	6.5	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	4.2	ND			ND			ND					
2-Nitrophenol			6.4	ND			ND			ND					
Benzoic Acid	817000000	313000000	15.6	ND			ND			ND					
Bis(2-chloroethoxy)methane			6.2	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.6	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	6.6	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	6.0	164			ND			ND					
4-Chloroaniline	817000	3130	6.0	ND			ND			ND					
Hexachlorobutadiene	135	88	6.6	ND			ND			ND					
4-Chloro-3-methylphenol			5.4	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
2-Methylnaphthalene	81800000	3130000	5.3	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	6.0	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	6.4	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	5.0	ND			ND			ND					
2-Chloronaphthalene	164000000	6250000	4.0	ND			ND			ND					
2-Nitroaniline			8.4	ND			ND			ND					
Dimethylphthalate	20400000000	782000000	5.8	ND			ND			ND					
Acenaphthylene	123000000	4690000	6.3	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	6.5	ND			ND			ND					
3-Nitroaniline			11.2	ND			ND			ND					
Acenaphthene	123000000	4690000	5.8	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	10.0	ND			ND			ND					
4-Nitrophenol	16400000	626000	6.0	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.9	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.8	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	6.9	ND			0.51			ND					
Fluorene	81700000	3130000	6.9	ND			ND			ND					
4-Chlorophenyl-phenylether			5.8	ND			ND			ND					
4-Nitroaniline			6.1	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	8.6	ND			ND			ND					

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-08 4-6'
File #: 0812217-36

	Date	Time	Analyst
Collection:	12/3/08	1225	MF
Extraction:	12/16/08	2200	EDR
Analysis:	12/30/08	424	EDR

Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Compound Name	Tier1 TRG Limits (ug/Kg)		Corr MDL ug/kg (ppb) for Smp	0812217-36			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]Nitrosodiphenylamine	1170000	130000	5.3	ND			ND			ND					
[redacted]omophenyl-phenylether			4.9	ND			ND			ND					
[redacted]exachlorobenzene	1650	399	5.6	ND			ND			ND					
Pentachlorophenol	23800	2660	8.8	ND			ND			30.35	150.0	20.23	55.25	150.0	36.83
Phenanthrene	61300000	2350000	5.0	ND			ND			ND					
Anthracene	613000000	23500000	5.6	ND			ND			ND					
Di-n-butylphthalate	2280000	2280000	5.5	104.00			6.09			13.70					
Fluoranthene	81700000	3130000	4.0	ND			ND			ND					
Pyrene	61300000	2350000	5.5	ND			ND			24.88	100.0	24.88	48.75	100.0	48.75
Butylbenzylphthalate	928000	928000	6.9	ND			ND			ND					
Benzo(a)anthracene	7840	875	5.4	ND			ND			ND					
3,3'-Dichlorobenzidiene	12700	1420	11.6	ND			ND			ND					
Chrysene	784000	87500	5.5	ND			ND			ND					
Bis[2-ethylhexyl]phthalate	409000	45600	6.4	ND			0.78			ND					
Di-n-octylphthalate	4080000	1560000	6.6	ND			ND			ND					
Benzo(b)fluoranthene	7840	875	4.8	ND			ND			ND					
Benzo(k)fluoranthene	78400	8750	3.4	ND			ND			ND					
Benzo(a)pyrene	784	88	4.1	ND			ND			ND					
Indeno(1,2,3-c,d)pyrene	7840	875	5.5	ND			ND			ND					
Dibenzo(a,h)anthracene	784	88	6.3	ND			ND			ND					
Benzo(g,h,i)perylene	61300000	2350000	7.0	ND			ND			ND					
Surrogate Compounds				Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery	Detected Amount	Spiked Amount	% Recovery
[redacted]orophenol				70.46	200.0	35.23	118.14	200.0	59.07	110.45	200.0	55.23	62.52	200.0	31.26
[redacted]enol-d5				97.3	200.0	48.65	114.8	200.0	57.38	112.79	200.0	56.40	72.02	200.0	36.01
Nitrobenzene-d5				80.31	100.0	80.31	27.70	100.0	27.70	26.77	100.0	26.77	26.71	100.0	26.71
2-Fluorobiphenyl				103.75	100.0	103.75	33.49	100.0	33.49 *	31.40	100.0	31.40	31.24	100.0	31.24
2,4,6-Tribromophenol				81.16	200.0	40.58	100.3	200.0	50.14	112.33	200.0	56.17	72.30	200.0	36.15
Terphenyl-d14				47.49	100.0	47.49	22.08	100.0	22.08 *	24.38	100.0	24.38 *	50.96	100.0	50.96

Certified by:

Micheal S. Bonner,Ph. D.
Bonner Analytical Testing Company

BONNER ANALYTICAL TESTING COMPANY

QUANTITATIVE RESULTS AND QUALITY ASSURANCE DATA
BASE NEUTRALS AND ACIDS - GC/MS ANALYSIS DATA

Client: Fairchild Construction
Location: Core Samples F S-14 4-6'
File #: 0812217-12

	Date	Time	Analyst
Received:	12/3/08	1500	MF
Extracted:	12/16/08	2200	EDR
Analyzed:	12/30/08	813	EDR

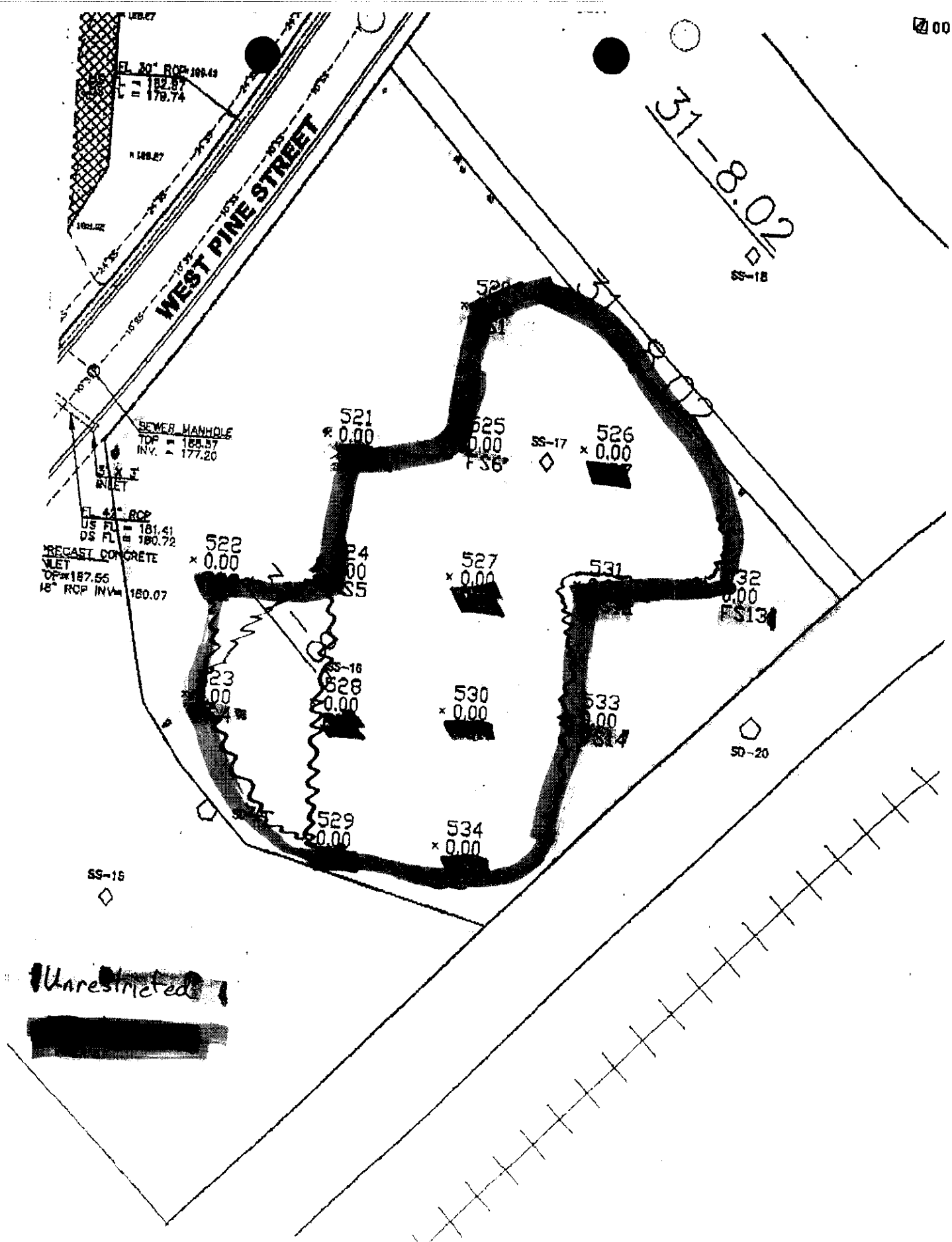
Sample Type: SOIL
Extraction Method: 3550B
Analysis Method: 8270C

Sample Dry Wt. 21.12g

Compound Name	Tier1 TRG Limits (ppm)		Corr MDL ug/kg (ppb) for Smp	0812217-12			BLANK			MATRIX SPIKE			LAB CONTROL		
				Detected Amount ug/kg (ppb)	Spike		Detected Amount ng/ul (ppb)	Spike		Detected Amount ng/ul in the extract	Spike		Detected Amount ng/ul in the extract	Spike	
	Restricted	Unrestricted			Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery		Amount ug	% Recovery
[redacted]ol	123000000	46900000	3.1	ND			ND			38.79	150.0	25.86	41.77	150.0	27.85
[redacted]chloroethyl)ether	9080	5930	4.1	ND			ND			ND					
2-Chlorophenol	10200000	391000	3.4	ND			ND			39.64	150.0	26.43	41.43	150.0	27.62
1,3-Dichlorobenzene	61300000	2350000	5.0	ND			ND			ND					
1,4-Dichlorobenzene	238000	26600	3.7	ND			ND			19.73	100.0	19.73	20.45	100.0	20.45
Benzyl Alcohol	204000000	23500000	8.9	ND			ND			ND					
1,2-Dichlorobenzene	279000	279000	3.6	ND			ND			ND					
2-Methylphenol	102000000	3910000	3.4	ND			ND			ND					
Bis(2-chloroisopropyl)ether	9080	5930	5.3	ND			ND			ND					
4-Methylphenol	10200000	391000	5.2	ND			ND			ND					
Hexachloroethane	93300	45600	4.8	ND			ND			ND					
N-Nitroso-di-N-propylamine	818	91	5.8	ND			ND			23.30	100.0	23.30	27.32	100.0	27.32
Nitrobenzene	8410	8410	4.9	ND			ND			ND					
Isophorone	4570000	672000	5.5	ND			ND			ND					
2,4-Dimethylphenol	40800000	1560000	3.6	ND			ND			ND					
2-Nitrophenol			5.5	ND			ND			ND					
Benzoic Acid	817000000	313000000	13.4	ND			ND			ND					
Bis(2-chloroethoxy)methane			5.3	ND			ND			ND					
2,4-Dichlorophenol	613000	235000	3.1	ND			ND			ND					
1,2,4-Trichlorobenzene	527000	527000	5.6	ND			ND			22.54	100.0	22.54	25.30	100.0	25.30
Naphthalene	824000	645000	5.1	ND			ND			ND					
4-Chloroaniline	817000	3130	5.1	ND			ND			ND					
Hexachlorobutadiene	135	88	5.6	ND			ND			ND					
[redacted]loro-3-methylphenol			4.6	ND			ND			39.50	150.0	26.33	49.22	150.0	32.81
[redacted]ylnaphthalene	81800000	3130000	4.5	ND			ND			ND					
Hexachlorocyclopentadiene	951	951	5.2	ND			ND			ND					
2,4,6-Trichlorophenol	314000	58100	5.5	ND			ND			ND					
2,4,5-Trichlorophenol	204000000	7820000	4.3	ND			ND			ND					
2-Chloronaphthalene	164000000	6260000	3.4	ND			ND			ND					
2-Nitroaniline			7.2	ND			ND			ND					
Dimethylphthalate	204000000000	782000000	4.9	ND			ND			ND					
Acenaphthylene	123000000	4690000	5.4	ND			ND			ND					
2,6-Dinitrotoluene	2040000	78200	5.5	ND			ND			ND					
3-Nitroaniline			9.6	ND			ND			ND					
Acenaphthene	123000000	4690000	5.0	ND			ND			24.52	100.0	24.52	29.10	100.0	29.10
2,4-Dinitrophenol	408000	156000	8.5	ND			ND			ND					
4-Nitrophenol	16400000	626000	5.2	ND			ND			46.02	150.0	30.68	49.71	150.0	33.14
Dibenzofuran	8180000	313000	5.0	ND			ND			ND					
2,4-Dinitrotoluene	408000	156000	5.0	ND			ND			23.71	100.0	23.7	29.29	100.0	29.29
Diethylphthalate	1970000	1970000	5.9	37.0			0.51 J			ND					
Fluorene	81700000	3130000	5.9	ND			ND			ND					
4-Chlorophenyl-phenylether			5.0	ND			ND			ND					
4-Nitroaniline			5.2	ND			ND			ND					
4,6-Dinitro-2-methylphenol	204000	7820	7.3	ND			ND			ND					

APPENDIX 2

Site Delineation



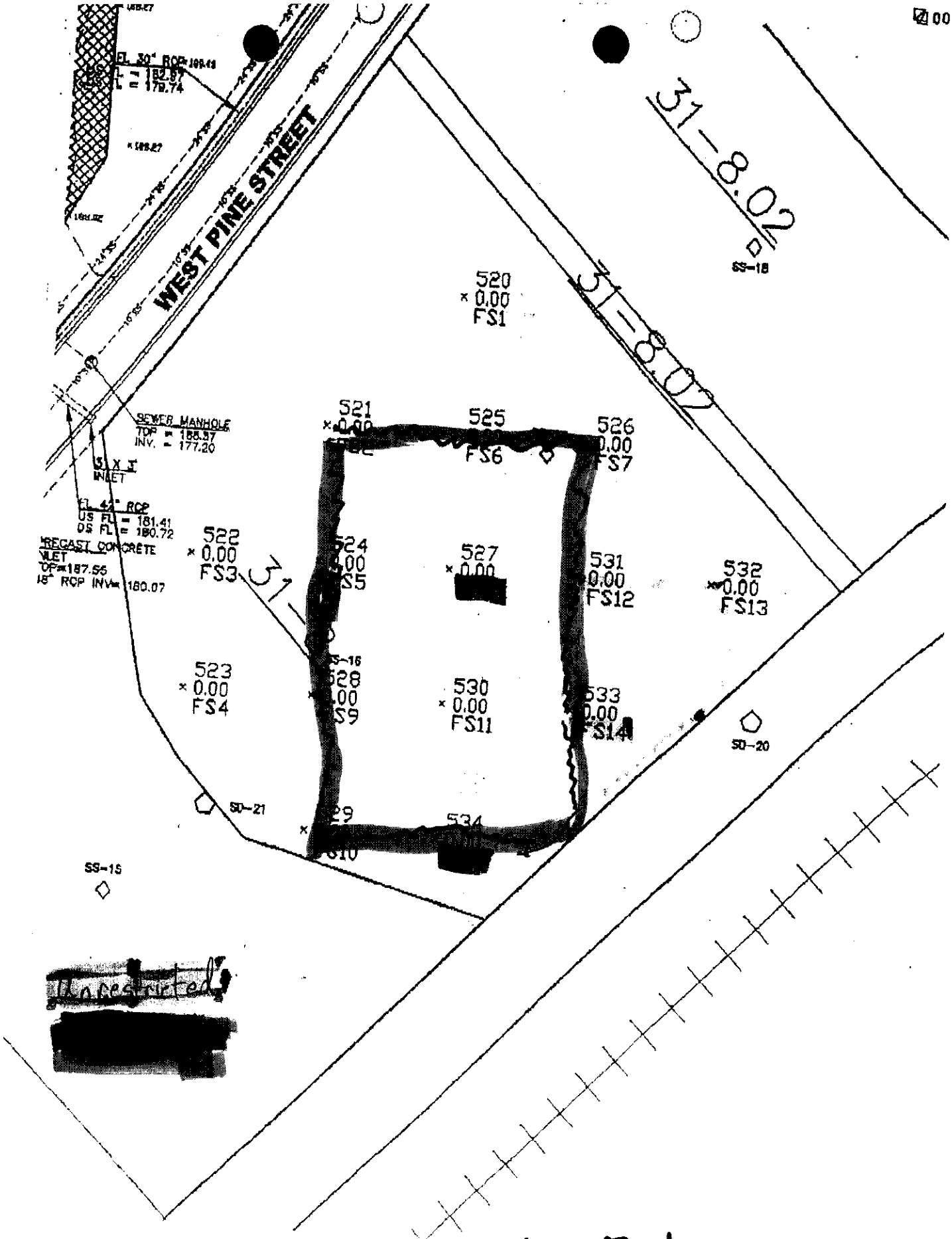
0-2' Tier 1 Failures

might need to be hazmat trained

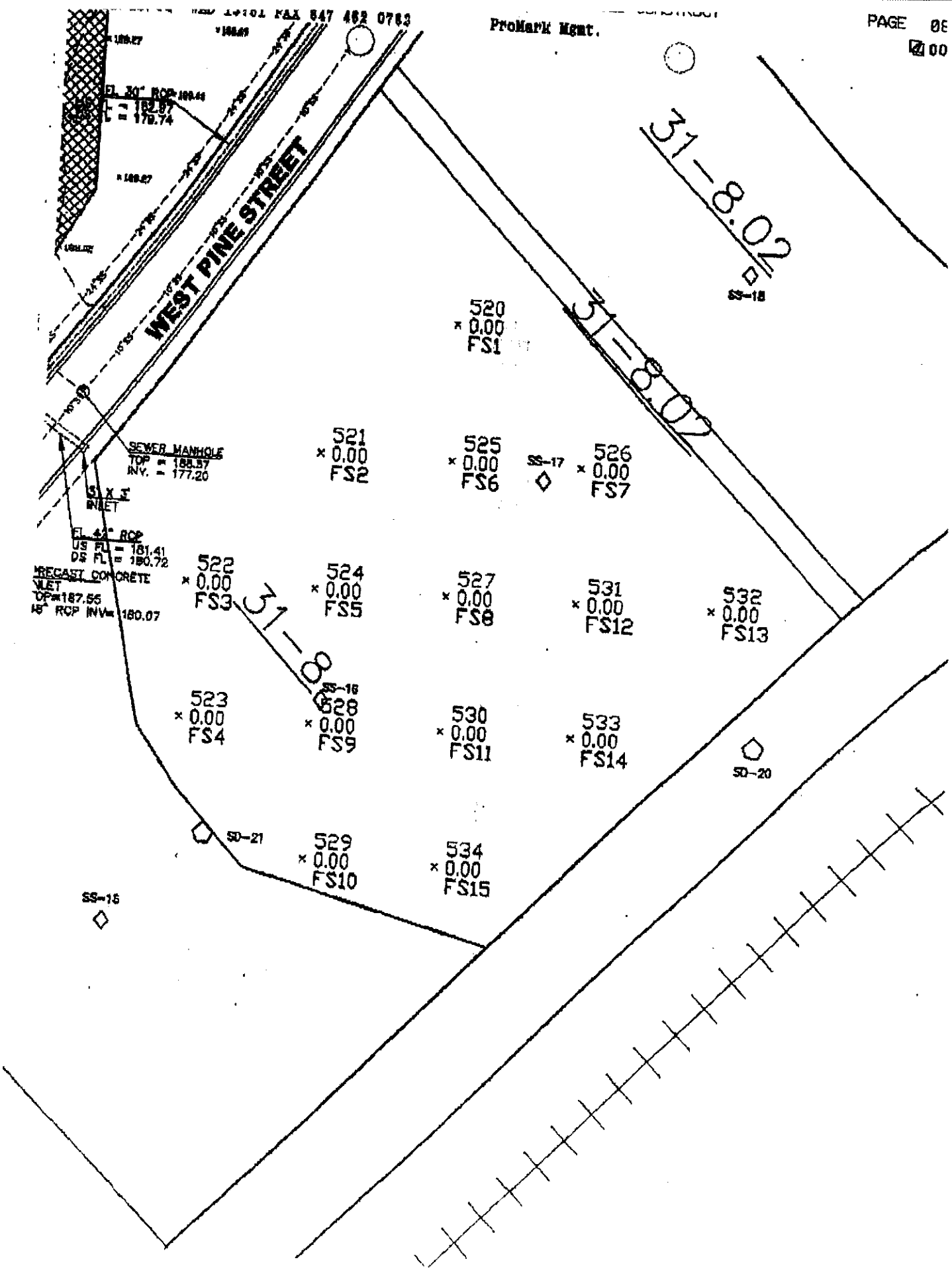
approximate yardage/pricing

Labor / Testing / Tipping / Shipping

Report prep



2'-4' Tier 1 Failures


WEST PINE STREET
31-8.02
31-8.02
31-8.02
SEWER MANHOLE
TOP = 188.87
INV. = 177.20
5' X 5'
INLET
FL 42" RCP
US FL = 181.41
DS FL = 180.72
PRECAST CONCRETE
INLET
TOP=187.56
18" RCP INV= 180.07
FL 30" RCP
= 182.87
= 179.74
SS-15
SS-16
SS-17
SS-18
SD-20
SD-21
520
x 0.00
FS1
521
x 0.00
FS2
522
x 0.00
FS3
523
x 0.00
FS4
524
x 0.00
FS5
525
x 0.00
FS6
526
x 0.00
FS7
527
x 0.00
FS8
528
x 0.00
FS9
529
x 0.00
FS10
530
x 0.00
FS11
531
x 0.00
FS12
532
x 0.00
FS13
533
x 0.00
FS14
534
x 0.00
FS15

Summary of 2008 DNAPL Recovery Activities
Gordon's Creek Fill Area
April 8, 2009

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

DNAPL Monitoring and Recovery System

In late 2003, Kerr-McGee Chemical LLC (now Tronox LLC) installed a system of 17 recovery wells (FARW-01 through FARW-17) behind the Waterloo Barrier at the western edge of the Gordon's Creek Fill Area containment area. As a result of remediation conducted at the Fill Area, the barrier now forms the eastern bank of the creek adjacent to the containment area. Recovery wells were installed at 25-foot intervals to allow for the collection and removal of dense non-aqueous phase liquids (DNAPLs) accumulating behind the barrier, where present. Tronox also installed 12 monitoring wells (FAMW-01 through FAMW-12) at 50-foot intervals to monitor for the presence of DNAPLs at the contact between the Fill Area sands and the underlying Hattiesburg clay.

The locations of Fill Area monitoring and recovery wells are shown on attached Figure 1. Well completion information is summarized in Table 1.

DNAPL Gauging and Recovery Operations

In May 2004, Tronox began to gauge and recover DNAPL from the system on a monthly basis. In early 2005, MDEQ approved a decrease in gauging and recovery frequency from monthly to quarterly.

Regular procedures for DNAPL gauging and recovery are as follows:

- Remove manhole covers and well caps.
- Measure the depth to water level from top of casing in each recovery and monitoring well using an electronic water level indicator.
- Check for the presence of DNAPL in each recovery and monitoring well using weighted cotton string.
- If wells contain measurable free product (i.e., 0.1 foot or more), install copper drop tubes extending from the base of each recovery well to land surface. Drop tubes are connected directly to silicon tubing to allow recovery of DNAPL using a peristaltic pump.
- Pump all recovery wells containing measurable amounts of free DNAPL into sealable containers. Wells are pumped until only a sheen is present.
- Transport product/water mixture to Tronox's Columbus, Mississippi recovery system for recycle/reuse.

Summary of 2008 DNAPL Recovery Activities
Gordon's Creek Fill Area
April 8, 2009

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

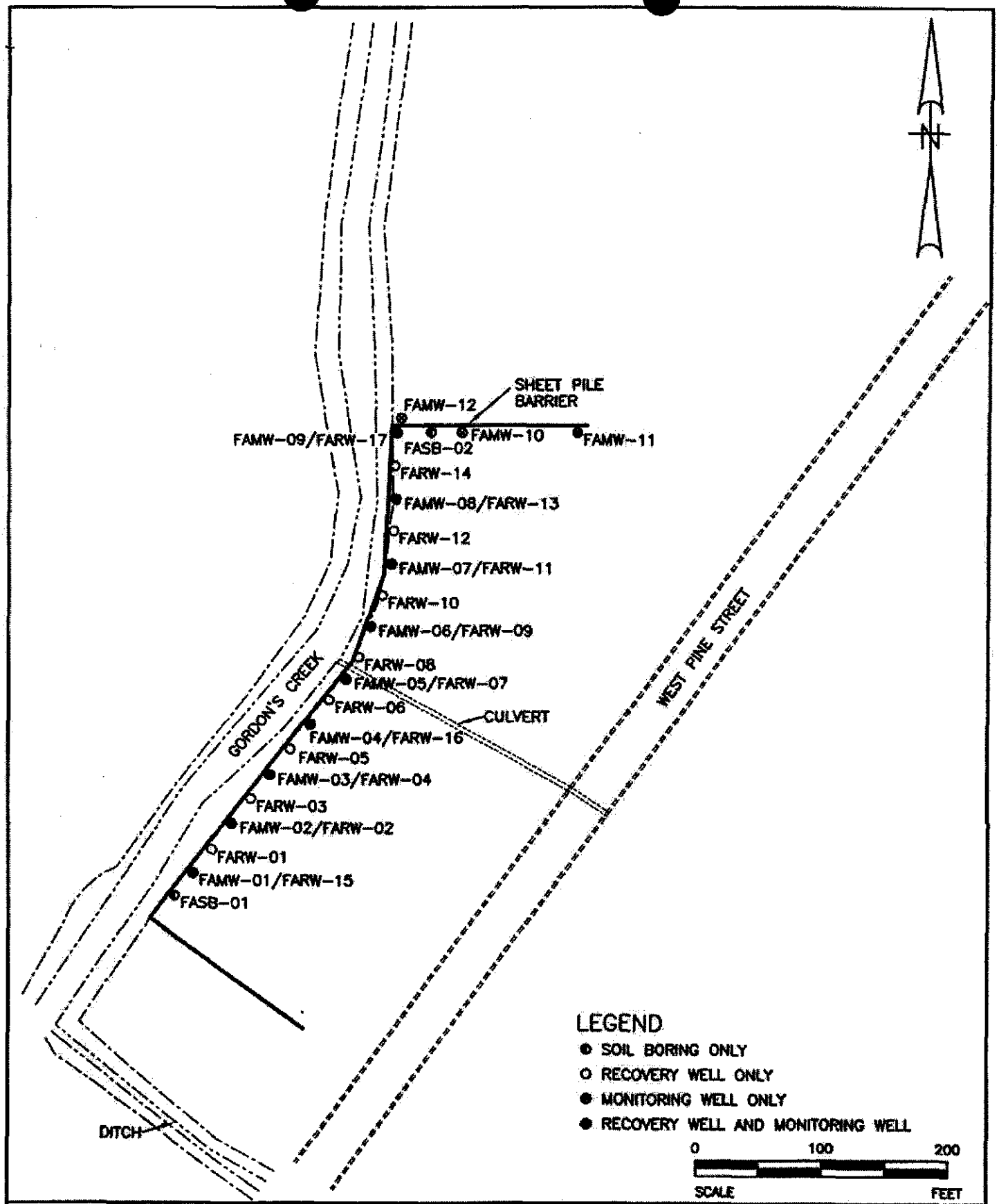
Summary of Gauging and Recovery Activities to Date

Tronox conducted quarterly well gauging and DNAPL recovery at the Gordon's Creek Fill Area (the Fill Area) in 2008. Measurable product was encountered in well FAMW-07 in February 2008 for the first time. Tubing was installed in this well to allow for DNAPL recovery.

The results of well gauging and recovery are summarized in Tables 2 through 4. To date, measurable DNAPL (i.e., 0.1 foot or more) has been encountered in six recovery wells (FARW-04, FARW-05, FARW-06, FARW -07, FARW-08 and FARW-10) and two monitoring well (FAMW-06 and FAMW-07). As shown on Table 4, a total of 1.5 gallons of DNAPL was removed from the system in 2008. Since beginning gauging and recovery activities in 2004, a total of 10.25 gallons has been recovered from the system.

Future Gauging and Recovery

Tronox will continue to gauge and recover DNAPLs in monitoring and recovery wells on a quarterly basis. A schedule for the 2009 quarterly events was submitted to MDEQ in an email dated January 22, 2009.



MICHAEL PISANI & ASSOCIATES
Environmental Management and Engineering Services
New Orleans, Louisiana Houston, Texas

SCALE: 1"=100' | DWG. NO.: 21-04/322A

FIGURE 1
RECOVERY WELL AND MONITORING WELL LOCATIONS
FILL AREA

FORMER GULF STATES CREOSOTING SITE
HATTIESBURG, MISSISSIPPI

Table 1

Well Completion Data
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Installation Date	Construction Materials	Distance from Upstream Wingwall (ft.)	Boring Depth	Screened Interval	Depth to Top of Filter Pack	Depth to Top of Bentonite Seal
FAMW-01	11/3/2003	2" PVC	50	28.0	21.3-26.3	19.0	17.0
FAMW-02	11/4/2003	2" PVC	100	26.0	19.0-24.0	17.0	15.0
FAMW-03	11/4/2003	2" PVC	150	24.0	17.0-22.0	15.0	13.0
FAMW-04	11/4/2003	2" PVC	200	24.0	17.0-22.0	15.0	13.0
FAMW-05	11/6/2003	2" PVC	250	24.0	18.0-23.0	16.0	14.0
FAMW-06	11/4/2003	2" PVC	300	22.0	16.0-21.0	14.0	12.0
FAMW-07	11/6/2003	2" PVC	350	24.0	18.0-23.0	16.0	14.0
FAMW-08	11/6/2003	2" PVC	400	22.0	16.0-21.0	14.0	12.0
FAMW-09	11/5/2003	2" PVC	450	22.0	16.0-21.0	14.0	12.0
FAMW-10	11/5/2003	2" PVC	Wing Wall	24.0	18.0-23.0	16.0	14.0
FAMW-11	11/5/2003	2" PVC	Wing Wall	28.0	22.5-27.5	20.5	18.5
FAMW-12	11/5/2003	2" PVC	Outside WW	22.0	16.0-21.0	14.0	12.0
FARW-01	11/7/2003	4" SS	75	10.0	5.0-10.0	4.0	3.5
FARW-02	11/7/2003	4" SS	100	12.0	5.0-10.0	4.0	3.5
FARW-03	11/7/2003	4" SS	125	12.0	6.5-11.5	5.5	4.5
FARW-04	11/10/2003	4" SS	150	12.0	6.5-11.5	5.5	4.5
FARW-05	11/10/2003	4" SS	175	12.0	6.5-11.5	5.5	4.5
FARW-06	11/10/2003	4" SS	225	12.0	6.0-11.0	5.0	4.0
FARW-07	11/10/2003	4" SS	250	13.5	8.5-13.5	6.5	4.5
FARW-08	11/10/2003	4" SS	275	12.0	6.0-11.0	5.0	4.0
FARW-09	11/11/2003	4" SS	300	10.5	5.5-10.5	4.5	3.5
FARW-10	11/11/2003	4" SS	325	24.0	6.0-21.0	5.0	4.0
FARW-11	11/12/2003	4" SS	350	22.0	7.0-22.0	5.0	4.0
FARW-12	11/11/2003	4" SS	375	14.0	3.0-8.0	2.5	2.0
FARW-13	11/12/2003	4" SS	400	10.5	5.5-10.5	4.5	3.5
FARW-14	11/12/2003	4" SS	425	10.0	5.0-10.0	4.0	3.5
FARW-15	11/20/2003	4" SS	50	9.0	4.0-9.0	3.0	2.0
FARW-16	11/20/2003	4" SS	200	8.5	3.5-8.5	3.0	2.0
FARW-17	11/20/2003	4" SS	450	8.5	3.5-8.5	3.0	2.0

Note:
All depths are reported in feet below land surface.

Table 2

Water Levels
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date										
	5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	5.17	4.41	2.88	3.24	3.40	3.29	3.00	3.52	4.18	NM	NM
FAMW-02	3.93	3.32	2.90	3.30	3.34	3.37	3.01	3.05	2.98	3.90	4.01
FAMW-03	3.97	3.25	2.34	2.74	2.95	3.00	2.50	2.90	2.99	NM	NM
FAMW-04	3.42	2.96	1.89	1.75	2.20	2.33	1.67	1.83	1.93	NM	NM
FAMW-05	2.79	2.46	2.02	2.03	2.43	2.95	2.12	2.05	1.01	NM	NM
FAMW-06	2.75	2.10	2.00	2.38	2.69	2.99	2.48	2.35	1.23	2.45	2.84
FAMW-07	2.37	2.30	2.17	2.37	2.72	3.02	2.54	2.69	1.53	3.28	3.40
FAMW-08	2.88	2.42	2.46	2.58	2.87	3.25	2.94	3.03	1.69	3.27	3.52
FAMW-09	3.53	3.12	4.83	5.42	5.86	6.20	5.88	4.92	1.95	3.59	3.97
FAMW-10	6.18	5.31	9.90	7.55	8.00	8.34	8.13	7.64	5.88	NM	NM
FAMW-11	8.25	7.30	9.06	6.29	6.79	6.90	6.60	8.40	9.94	8.68	9.14
FAMW-12	6.24	6.14	4.05	4.40	4.62	4.61	4.20	6.43	9.15	7.09	10.22
FARW-01	3.16	2.50	2.04	2.52	2.67	2.74	1.25	1.41	1.16	3.21	2.89
FARW-02	2.03	1.49	1.87	1.52	1.70	1.72	0.04	0.32	0.18	2.40	1.92
FARW-03	2.63	1.38	0.75	1.40	1.40	1.42	1.10	0.89	0.49	2.15	2.01
FARW-04	2.60	1.80	1.99	1.53	1.47	1.50	1.46	1.39	0.30	1.68	2.78
FARW-05	2.29	1.45	0.99	1.67	1.69	1.96	0.81	0.93	0.21	0.70	2.72
FARW-06	1.78	0.98	0.60	1.10	1.35	1.40	0.75	0.71	0.00	1.95	1.72
FARW-07	2.15	1.34	0.10	1.29	1.63	1.68	0.88	0.69	0.49	2.27	2.10
FARW-08	2.34	1.81	1.68	1.80	2.15	2.03	1.41	1.52	1.00	2.67	2.48
FARW-09	2.69	2.31	2.19	2.00	2.12	2.58	2.00	1.93	1.33	2.65	2.60
FARW-10	2.42	1.87	1.68	1.79	2.26	2.44	1.72	1.54	1.12	2.86	2.85
FARW-11	2.37	1.78	1.38	1.84	2.04	2.39	1.87	1.90	1.10	2.70	2.87
FARW-12	3.07	0.04	0.20	0.03	0.77	0.85	0.89	0.76	0.00	1.60	0.67
FARW-13	0.10	0.01	0.05	0.01	1.12	1.35	0.71	0.21	0.00	1.54	1.45
FARW-14	1.35	0.95	0.56	0.70	0.89	1.10	0.03	0.34	0.00	1.33	1.03
FARW-15	3.38	2.64	2.04	2.51	2.65	2.62	1.35	2.43	1.15	3.20	2.91
FARW-16	1.50	1.19	1.22	1.50	1.60	1.63	0.05	0.33	0.41	3.00	2.00
FARW-17	0.98	0.90	0.74	0.50	0.83	0.90	0.31	0.77	0.00	1.49	1.00

Note:
Water levels are reported in feet below top of casing.
NM - water level not measured during this event.

Table 2 (continued)

Water Levels
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date											
	2/21/06	5/15/06	8/21/06	11/9/06	2/27/07	5/22/07	8/28/07	10/23/07	2/25/08	5/19/08	8/6/08	11/24/08
FAMW-01	NM	NM	NM	4.43	0.65	4.42	4.15	4.21	3.38	3.40	3.64	3.96
FAMW-02	3.43	0.63	3.33	3.34	2.73	3.19	2.99	3.01	2.18	2.41	3.60	3.83
FAMW-03	NM	NM	NM	3.31	2.30	3.24	2.98	2.97	2.27	3.02	2.62	2.94
FAMW-04	NM	NM	NM	2.77	1.54	2.30	2.30	2.29	1.89	2.01	2.87	3.07
FAMW-05	NM	NM	NM	1.96	0.63	1.22	1.49	1.31	0.70	1.15	1.99	2.09
FAMW-06	2.05	2.01	2.60	2.60	1.24	1.67	1.81	1.74	2.20	0.40	2.45	2.84
FAMW-07	2.42	2.01	2.87	2.97	1.28	1.87	1.98	2.01	0.80	1.39	2.81	3.11
FAMW-08	2.54	2.21	2.98	3.00	1.87	1.92	2.00	1.99	1.25	1.62	2.88	3.01
FAMW-09	2.85	2.40	3.26	3.48	1.62	2.21	2.01	2.15	0.98	1.71	3.04	3.21
FAMW-10	NM	NM	NM	9.44	4.40	5.02	5.01	5.01	4.04	4.74	6.01	6.37
FAMW-11	8.00	7.58	8.60	8.80	6.75	7.17	7.23	7.20	5.99	6.87	8.38	8.72
FAMW-12	6.60	6.59	6.97	6.80	5.98	5.99	5.98	5.99	5.53	6.15	6.82	6.89
FARW-01	1.32	1.70	2.19	1.93	4.02	1.96	1.64	1.84	0.00	0.21	2.53	2.28
FARW-02	0.41	3.27	1.20	0.90	0.00	0.97	0.51	0.89	0.00	0.00	1.54	1.81
FARW-03	0.87	0.76	1.22	1.82	1.11	1.29	0.50	0.50	0.02	0.20	1.67	1.89
FARW-04	2.47	1.98	1.50	1.47	1.27	0.94	1.25	1.90	0.98	1.10	1.40	1.98
FARW-05	1.47	1.16	1.28	1.59	1.67	1.68	1.64	1.72	1.38	0.35	0.65	1.44
FARW-06	0.54	0.47	0.80	0.87	0.24	0.51	0.60	1.02	0.00	0.10	1.02	1.69
FARW-07	0.57	0.68	1.19	1.34	0.23	0.69	0.85	0.84	0.00	0.31	1.30	1.90
FARW-08	1.30	1.44	1.80	1.77	0.08	1.22	1.47	1.74	0.01	0.85	1.79	2.31
FARW-09	1.92	2.04	2.21	2.01	2.00	1.52	1.57	1.55	1.96	1.37	2.29	2.53
FARW-10	1.68	1.67	2.23	2.19	0.60	1.36	1.66	1.67	0.36	1.03	2.03	2.17
FARW-11	1.81	1.47	2.27	2.40	0.68	1.33	1.49	1.50	0.41	0.97	2.22	2.40
FARW-12	0.10	0.06	0.93	0.30	0.16	0.13	0.01	0.00	0.00	0.00	0.86	0.94
FARW-13	0.10	0.39	1.01	0.20	0.15	0.28	0.60	0.54	0.01	0.00	1.01	1.14
FARW-14	0.31	0.18	0.86	0.70	0.09	0.02	0.54	0.59	0.00	0.00	0.66	0.71
FARW-15	1.27	1.62	2.26	1.95	0.68	1.92	1.60	1.84	0.00	0.17	1.78	2.06
FARW-16	0.65	0.90	1.39	0.97	0.30	1.13	0.99	0.98	0.00	0.93	1.54	1.79
FARW-17	0.30	0.18	0.91	0.40	0.13	0.03	0.02	0.00	0.34	0.00	0.83	0.97

Note:
Water levels are reported in feet below top of casing.
NM - water level not measured during this event.

Table 3

Ground Water Elevations
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	TOC Elev.	Date 5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	183.90	178.73	179.49	181.02	180.66	180.50	180.61	180.90	180.38	179.72	NM	NM
FAMW-02	182.72	178.79	179.40	179.82	179.42	179.38	179.35	179.71	179.67	179.74	178.82	178.71
FAMW-03	182.78	178.81	179.53	180.44	180.04	179.83	179.78	180.28	179.88	179.79	NM	NM
FAMW-04	182.72	179.30	179.76	180.83	180.97	180.52	180.39	181.05	180.89	180.79	NM	NM
FAMW-05	181.99	179.20	179.53	179.97	179.96	179.56	179.04	179.87	179.94	180.98	NM	NM
FAMW-06	181.64	178.89	179.54	179.64	179.26	178.95	178.65	179.16	179.29	180.41	179.19	178.80
FAMW-07	181.75	179.38	179.45	179.58	179.38	179.03	178.73	179.21	179.06	180.22	178.47	178.35
FAMW-08	181.74	178.86	179.32	179.28	179.16	178.87	178.49	178.80	178.71	180.05	178.47	178.22
FAMW-09	181.93	178.40	178.81	177.10	176.51	176.07	175.73	176.05	177.01	179.98	178.34	177.96
FAMW-10	184.43	178.25	179.12	174.53	176.88	176.43	176.09	176.30	176.79	178.55	NM	NM
FAMW-11	186.11	177.86	178.81	177.05	179.82	179.32	179.21	179.51	177.71	176.17	177.43	176.97
FAMW-12	182.96	176.72	176.82	178.91	178.56	178.34	178.35	178.76	176.53	173.81	175.87	172.74
FARW-01	183.74	180.58	181.24	181.70	181.22	181.07	181.00	182.49	182.33	182.58	180.53	180.85
FARW-02	182.77	180.74	181.28	180.90	181.25	181.07	181.05	182.73	182.45	182.59	180.37	180.85
FARW-03	182.30	179.67	180.92	181.55	180.90	180.90	180.88	181.20	181.41	181.81	180.15	180.29
FARW-04	182.35	179.75	180.55	180.36	180.82	180.88	180.85	180.89	180.96	182.05	180.67	179.57
FARW-05	182.36	180.07	180.91	181.37	180.69	180.67	180.40	181.55	181.43	182.15	181.66	179.64
FARW-06	181.51	179.73	180.53	180.91	180.41	180.16	180.11	180.76	180.80	181.51	179.56	179.79
FARW-07	181.53	179.38	180.19	181.43	180.24	179.90	179.85	180.65	180.84	181.04	179.26	179.43
FARW-08	181.33	178.99	179.52	179.65	179.53	179.18	179.30	179.92	179.81	180.33	178.66	178.85
FARW-09	181.23	178.54	178.92	179.04	179.23	179.11	178.65	179.23	179.30	179.90	178.58	178.63
FARW-10	181.40	178.98	179.53	179.72	179.61	179.14	178.96	179.68	179.86	180.28	178.54	178.55
FARW-11	181.14	178.77	179.36	179.76	179.30	179.10	178.75	179.27	179.24	180.04	178.44	178.27
FARW-12	181.22	178.15	181.18	181.02	181.19	180.45	180.37	180.33	180.46	181.22	179.62	180.55
FARW-13	181.29	181.19	181.28	181.24	181.28	180.17	179.94	180.58	181.08	181.29	179.75	179.84
FARW-14	181.30	179.95	180.35	180.74	180.60	180.41	180.20	181.27	180.96	181.30	179.97	180.27
FARW-15	183.78	180.40	181.14	181.74	181.27	181.13	181.16	182.43	181.35	182.63	180.58	180.87
FARW-16	182.58	181.08	181.39	181.36	181.08	180.98	180.95	182.53	182.25	182.17	179.58	180.58
FARW-17	181.33	180.35	180.43	180.59	180.83	180.50	180.43	181.02	180.56	181.33	179.84	180.33

Note:
Ground water elevations are reported in feet above mean sea level.
NM - water level not measured during this event.

Table 3 (continued)

Ground Water Elevations
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	TOC Elev.	Date 2/21/06	5/15/06	8/21/06	11/9/06	2/27/07	5/22/07	8/28/07	10/23/07	2/26/08	6/19/08	8/6/08	11/24/08
FAMW-01	183.90	NM	NM	NM	179.47	183.25	179.48	179.75	179.69	180.52	180.50	180.26	179.94
FAMW-02	182.72	179.29	182.09	179.39	179.38	179.99	179.53	179.73	179.71	180.54	180.31	179.12	178.89
FAMW-03	182.78	NM	NM	NM	179.47	180.48	179.54	179.80	179.81	180.51	179.76	180.16	179.84
FAMW-04	182.72	NM	NM	NM	179.95	181.18	180.42	180.42	180.43	180.83	180.71	179.85	179.65
FAMW-05	181.99	NM	NM	NM	180.03	181.36	180.77	180.50	180.68	181.29	180.84	180.00	179.90
FAMW-06	181.64	179.59	179.63	179.04	179.04	180.40	179.97	179.83	179.90	179.44	181.24	179.19	178.80
FAMW-07	181.75	179.33	179.74	178.88	178.78	180.47	179.88	179.77	179.74	180.95	180.36	178.94	178.64
FAMW-08	181.74	179.20	179.53	178.76	178.74	179.87	179.82	179.74	179.75	180.49	180.12	178.86	178.73
FAMW-09	181.93	179.08	179.53	178.67	178.45	180.31	179.72	179.92	179.78	180.95	180.22	178.89	178.72
FAMW-10	184.43	NM	NM	NM	174.99	180.03	179.41	179.42	179.42	180.39	179.69	178.42	178.06
FAMW-11	186.11	178.11	178.53	177.51	177.31	179.36	178.94	178.88	178.91	180.12	179.24	177.73	177.39
FAMW-12	182.96	176.36	176.37	175.99	176.16	176.98	176.97	176.98	176.97	177.43	176.81	176.14	176.07
FARW-01	183.74	182.42	182.04	181.55	181.81	179.72	181.78	182.10	181.90	183.74	183.53	181.21	181.46
FARW-02	182.77	182.36	179.50	181.57	181.87	182.77	181.80	182.26	181.88	182.77	182.77	181.23	180.96
FARW-03	182.30	181.43	181.52	181.08	180.48	181.19	181.01	181.80	181.80	182.28	182.10	180.63	180.41
FARW-04	182.35	179.88	180.37	180.85	180.88	181.08	181.41	181.10	180.45	181.37	181.25	180.95	180.37
FARW-05	182.36	180.89	181.20	181.08	180.77	180.69	180.68	180.72	180.64	180.98	182.01	181.71	180.92
FARW-06	181.51	180.97	181.04	180.71	180.64	181.27	181.00	180.91	180.49	181.51	181.41	180.49	179.82
FARW-07	181.53	180.96	180.85	180.34	180.19	181.30	180.84	180.68	180.69	181.53	181.22	180.23	179.63
FARW-08	181.33	180.03	179.89	179.53	179.56	181.25	180.11	179.86	179.59	181.32	180.48	179.54	179.02
FARW-09	181.23	179.31	179.19	179.02	179.22	179.23	179.71	179.66	179.66	179.27	179.86	178.94	178.70
FARW-10	181.40	179.72	179.73	179.17	179.21	180.80	180.04	179.74	179.73	181.04	180.37	179.37	179.23
FARW-11	181.14	179.33	179.67	178.87	178.74	180.46	179.81	179.65	179.64	180.73	180.17	178.92	178.74
FARW-12	181.22	181.12	181.14	180.29	180.92	181.04	181.09	181.21	181.22	181.22	181.22	180.36	180.28
FARW-13	181.29	181.19	180.90	180.28	181.09	181.14	181.01	180.69	180.75	181.28	181.29	180.28	180.15
FARW-14	181.30	180.99	181.12	180.44	180.60	181.21	181.28	180.76	180.71	181.30	181.30	180.64	180.59
FARW-15	183.78	182.51	182.16	181.52	181.83	183.10	181.86	182.18	181.94	183.78	183.61	182.00	181.72
FARW-16	182.58	181.93	181.68	181.19	181.61	182.28	181.45	181.59	181.60	182.58	181.65	181.04	180.79
FARW-17	181.33	181.03	181.15	180.42	180.93	181.20	181.30	181.31	181.33	180.99	181.33	180.50	180.36

Note:
Ground water elevations are reported in feet above mean sea level.
NM - water level not measured during this event.

Table 4

Product Measurements
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date										
	5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-04	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-05	Clean	Clean	Clean	Clean	Clean	Trace	Trace	Trace	Clean	NM	NM
FAMW-06	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Trace	Trace	Trace
FAMW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-08	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-09	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-10	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-04	Trace	0.1	Trace	Trace	Trace	Trace	Trace	Trace	Trace	0.16	Trace
FARW-05	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-06	0.31	0.22	Clean	Trace	0.35	0.1	Trace	Trace	Trace	0.15	Trace
FARW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Trace
FARW-08	0.65	Trace	Trace	Trace	Trace	0.01	0.1	0.1	0.4	0.45	Trace
FARW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-10	0.5	0.38	Trace	Clean	0.2	Trace	0.1	0.2	0.1	Trace	Trace
FARW-11	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-13	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-14	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-15	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-16	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-17	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
Product Recovered (gallons)	1.25	0.25	0.25	1.25	0.5	0.25	0.25	0.5	0.5	1	0.25

Note:
Product thickness is reported in feet, where present.
(a) Sheen reported
NM - product thickness not measured during this event.

Table 4 (continued)

Product Measurements
FIII Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date 2/21/06	5/15/06	8/21/06	11/9/06	2/27/07	5/22/07	8/28/07	10/23/07	2/25/08	5/19/08	8/6/08	11/24/08
FAMW-01	NM	NM	NM	[illegible]	[illegible]	Clean	Clean	Clean	[illegible]	Clean	[illegible]	Clean
FAMW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-03	NM	NM	NM	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-04	NM	NM	NM	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-05	NM	NM	NM	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-06	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FAMW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	[illegible]	Clean	[illegible]	Clean
FAMW-08	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-10	NM	NM	NM	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FARW-05	Clean	Clean	Clean	Clean	Clean	Clean	[illegible]	[illegible]	[illegible]	Clean	[illegible]	[illegible]
FARW-06	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Clean	[illegible]	[illegible]	[illegible]
FARW-07	[illegible]	[illegible]	[illegible]	[illegible]	Clean	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FARW-08	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FARW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-10	Clean	Clean	Trace	Clean	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	Clean	Clean	Clean
FARW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	[illegible]	Clean	Clean
FARW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-13	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-14	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-15	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-16	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-17	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
Product Recovered (gallons)	0.5	0.5	0.25	0.5	0.25	0.125	0.25	0.125	0.25	0.25	0.5	0.5

Note:
Product thickness is reported in feet, where present.
(a) Sheen reported
NM - product thickness not measured during this event.

Secretary of State
State of Mississippi

16th Section
Lands

LEASE

State Lease:	3219	School Board:	1820	County:	18
Board Lease:	229	School Board Name:	HATTIESBURG MUN SCHOOL DIST		

Section:	16	Lease Type:	S	Land Classification:	COM
Township:	04N	Acres Leased:	0.50	Sub-Classification:	
Range:	13W	Updated:	08/25/2008		
Book:	204	Page:	426		

Begin:	09/25/1958	Annual Amount:	$0.00	Annual 2:	$0.00
Expire:	09/25/2058	Lump Sum:	$2,400.00	Lump Sum 2:	$0.00000000
Term Years:	99	Production:	$0.00	Production 2:	$0.00
Review Year:	0	Last Payment:	$0.00	Acres 2:	0.00
Last Review:	/ /	Last Pay Date:	/ /	Effective:	/ /
Appraised Value:	$0.00	Appraisal Date:	/ /		

First Lessee: JOHN A BEVON

Description:
LOTS 1,2,3 & 4

Notes:
LEASE BK 204 PG 426

PREV LEASE DATES: 7/25/1958 - 7/24/2057
(CHANGED WITH LEASE COPY)

Washteria PPIN 033745
2-038C-16-273.00

PPIN 033508
2-038C-16-271.00
Parker Vernadine + David
Physical Address
0 Eastside Avenue

PPIN 21308
2-038C-16-272
American Legion Auxiliary
225
522 Eastside Avenue
Physical Address
522 Eastside Ave

Forrest County, MS

Monday, April 06, 2009 1:11 PM

STATE OF MISSISSIPPI COUNTY OF FORREST

#7486 Receipt 22

I hereby certify that this instrument was filed for record in my office at 11 o'clock A.M. on the 21 day of Oct 19 61 and was recorded in Bk. yr. Lease - Inside City Only
Book 241 Page 426 Land Deed Record. State Documentary Stamps gross sum ONLY
in the value of $ were duly attached and cancelled. Cl. E R
Given under my hand and seal at Hattiesburg, Miss., this 2 day of
May 19 62 Sl. V
Deputy Circuit Clerk LEASE AND CONTRACT BOOK & PAGE

THIS LEASE AND CONTRACT made and entered into, in duplicate, on this, the 2nd day of October, 19 61, by and Between the BOARD OF SUPERVISORS OF FORREST COUNTY, MISSISSIPPI, acting herein by and through the Superintendent of Education of Forrest County, Mississippi, pursuant to the provisions of Section 17, House Bill No. 388, General Laws of Mississippi of 1958, hereinafter called "LESSOR," and [illegible], hereinafter called "LESSEE," whether one or more;

WITNESSETH:

IN CONSIDERATION of the rental hereinafter specified, and the covenants and conditions to be kept and performed as hereinafter recited, LESSOR hereby lets, rents and leases to LESSEE, subject to the reservations, stipulations and conditions hereinafter recited, for a period of [illegible] years from the 2nd day of October, 19[illegible], and no longer, that certain real estate lying, being situate in the City of Hattiesburg, Forrest County, Mississippi, and particularly described as follows, to-wit:

Lots one (1), two (2), three (3) and four (4), of Block [illegible] of the [illegible] Addition to Lots one (1) and two (2) of the D. D. Reynolds Third Survey of the City of Hattiesburg, County of Forrest, State of Mississippi, said land lying located in and a part of Section Sixteen (16), Township Four (4) North, Range Thirteen (13) West, in the County of Forrest, State of Mississippi, subject to an easement heretofore granted to the State Highway Department.

It is recognized and acknowledged that the LESSEE has paid to the County Depository, in full, in cash and in advance, as the agreed rental for this LEASE AND CONTRACT, a consideration in the total sum of $ 5.00 for proper credit to the Section Sixteen (16), Township Four (4) North, Range Thirteen (13) West Principal Fund, for the benefit, as authorized by law, of the Forrest County School District and the Hattiesburg Municipal Separate School District, being the School Districts of said Township Four (4) North, Range, Thirteen (13) West.

It is understood and agreed that this LEASE AND CONTRACT does not convey any interest in or to the oil, gas, sulphur, and other minerals, if any, on, in or under said lands, and that all of the same are hereby reserved, and the right is reserved unto the Board of Supervisors of said County or the then governing authority charged with the supervision and control of said Sixteenth Section to lease said land for said oil, gas, sulphur, and other mineral developments for such time and upon such consideration as it may determine, not contrary to law, together with full rights of ingress, egress, and regress to, from and across said land for the purpose of exploring, testing, drilling, and mining for the said oil, Gas, sulphur and other minerals, if any, and for the purpose of saving, storing or removing same from said land.

Further, title to all timber on said land is likewise reserved, and no timber shall be cut and used by LESSEE except for fuel and necessary repairs and improvements on the leased premises; and LESSOR shall have the right at all times, and from time to time, to manage, cut and remove or sell all merchantable timber on said land in the manner provided by House Bill No. 388, General Laws of Mississippi of 1958, and to enter said land for such purposes.

Further, there is hereby reserved unto LESSOR the right to grant or sell rights of way across any of said land for a road, highway, railroad and public utility line, provided only that LESSEE be paid a reasonable rental for the unexpired term of this LEASE AND CONTRACT by the grantee of such right of way.

43/62.42.48

Generally and without limitation of the above and foregoing, but in aid and exemplification thereof, it is understood and agreed that this LEASE AND CONTRACT is executed, in every particular, subject to all of the provisions, terms, conditions and limitations of Chapter 477, General Laws of Mississippi of 1948, as amended, House Bill No. 388, General Laws of Mississippi of 1956, and all other laws of the State of Mississippi, or parts thereof, relating or pertaining to Sixteenth Section lands within the State of Mississippi, and the control and management thereof; it being recognized that this LEASE AND CONTRACT grants and conveys to LESSEE only the right to use and occupy the surface of said land for such purposes and in such manner as are not contrary to the laws of the State of Mississippi.

WITNESS THE SIGNATURES of the respective parties hereto, hereunto affixed on the day and year first above written. Executed in duplicate copies with each of the parties hereto retaining a fully executed copy, either of which shall be, at all times, considered and treated as an original for all purposes.

BOARD OF SUPERVISORS OF FORREST COUNTY, MISSISSIPPI

By _____
Superintendent of Education of Forrest County, Mississippi

LESSOR

_____

_____

LESSEE

STATE OF MISSISSIPPI
COUNTY OF FORREST

Personally came and appeared before me, the undersigned authority in and for said County and State, _____, Superintendent of Education of Forrest County, Mississippi, acting for and on behalf of the Board of Supervisors of Forrest County, Mississippi, LESSOR, and _____, LESSEE, who, each separately and severally, acknowledged that they signed, executed and delivered the above and foregoing LEASE AND CONTRACT, in duplicate, as the respective acts and deeds of the said Board of Supervisors of Forrest County, Mississippi, and the said _____, all on the day and year therein mentioned.

Given under my hand and seal of office on this, the ___th day of _____, A. D., 19__.

_____

_____
Title

SEAL

My Commission Expires:
_____

2-038C-16-271.00 Card 1 of 1 Date Printed 01/12/2009
Alt: 230 -0628-003-001.01 Map:
TD 1110 STR 16 04N 13W Block 03
EASTSIDE AVENUE
Field Work by /00/

2008 TAX ASSESSOR RECORDS
Card 1 of 1

PPIN 33508

Land Value	Buildings	Total Value
18070	76450	94520

PARKER VERNADINE & DAVID
125 DOGWOOD DRIVE

HATTIESBURG MS 39402
Exempt Code
COM AT THE NWLY MOST CORNER OF LOT 1 BLOCK 3 NORTH 45DG EAST ALG THE SLY MARGIN OF EASTSIDE AVENUE 64.31 ' TO POB NORTH 45DG EAST ALG AVENUE 154.76' TO THE WLY MARGIN OF AN ALLEY SOUTH 45DG EAST ALG THE WLY MARGIN 199.43' TO THE SLY LINE OF LOT 4 SOUTH 45DG WEST 150.68' NORTH 46DG WEST 199.48' TO POB
DEED-0956 234 02/23/2005
DEED-0871 108 09/07/2001
DEED-869 721 08/22/2001
DEED-744 576 01/11/1996
MCINNIS D D 3RD ADD

Lot Size 154.76 X 200 Acres Use Code 6300

0628 /

Type	Size	Price	D/F	Adj	Desc	$/ft	Value	C
	155.00X 200	110.00	1.06			116.60	18070	1

Bld	Type	Foundati	Class	Unit	Base Area	Adjust Area	Base Rate	Adjusted Rate	Cost per Ft	Replace Cost	G%	Year Buil	Value	SL	T C	Old Value
1	LOUNGE OR BAR	SLAB	H/E	63	3204	3204	26.05	16.41	21.00	70484	43	1955	30310	30	2	31060
2	WAREHOUSE	SLAB	L/E	31	3662	3662	21.30	6.60	8.45	30944	33	1955	10210	30	2	10730
3	FENCING		L		400	400	6.00	6.00	7.68	3072	50		1540		2	1440
4	ASPHALT PAVING		L		840	840	.70	.70	.90	756	75		570		2	530
5	SHOP	SLAB	H/D-	69		1500	32.21	22.22	28.44	45092	75		33820		1	31700

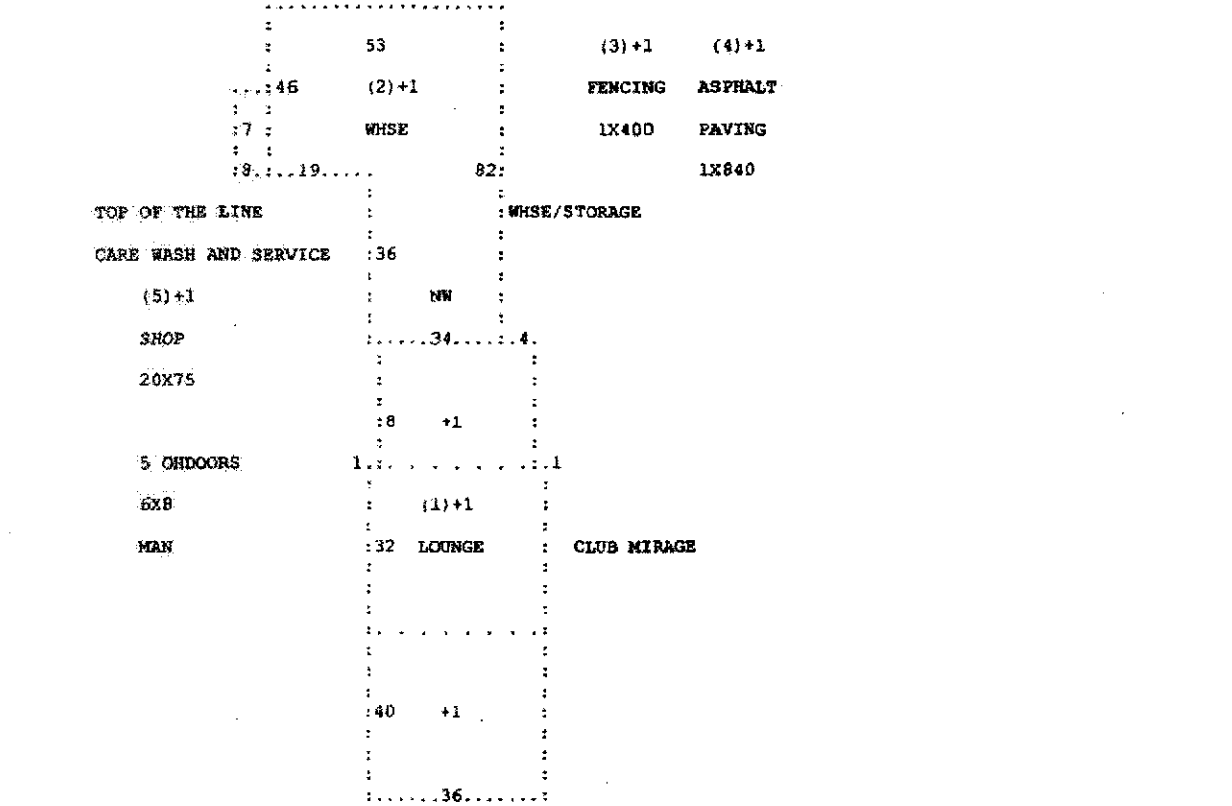
Extras
1 FIXTURES 2500

	Exterior Walls		Roof Type		Roof Material		Floors			
1	CORR. METAL	16	GABLE	8	SHEET METAL	2	C/ON GR/V/TILE	7	1 TOTAL EXTR	3200
2	CORR. METAL	16	GABLE	8	SHEET METAL	2	CONC ON GRADE	6	5 MANUAL OVE	1900
5	12" BRICK	41	FLAT SHED	7	STD SM SHEET MTL	9	CONC ON GRADE	6	5 TOTAL EXTR	2432

	Interior Walls	Interior Ceiling	Plumbing	Electricity	Adjustments
1	WD/CEIL/PLW/PNL	8 WOOD ON CEIL BD	7 AVERAGE	8 AVERAGE 3	HEIGHT 16
2	UNFINISHED	UNFINISHED	AVERAGE	8 AVERAGE 3	
5	UNFINISHED		AVERAGE	8 AVERAGE 3	

P/U SHOP FOR 2000; P/U SHOP FOR 2001;CHG RF ON 1,2,COND ON 5,3-18-02 TC;

Date Printed 00/00/0000 Parcel 2-038C-16-271.00 Name PARKER VERNADINE & DAVID PPIN 33508
2-038C-16-271.00 Card 1 of 1 Card 1 of 1
Alt: 230 -0628-003-001.01



Bld	Desc	Calculation	Gross	Stories	Adj	Adj Area	Second Floor
1	LOUN	32X36	1152	1.0	1.0	1152	
1	LOUN	18X34	612	1.0	1.0	612	
1	LOUN	40X36	1440	1.0	1.0	1440	
2	WHSE	U46R53D82L34U36L19	3662	1.0	1.0	3662	
3	FENC	1X400	400	1.0	1.0	400	
4	ASPH	1X840	840	1.0	1.0	840	
5	SHOP	20X75	1500	1.0	1.0	1500	

2-038C-16-272.00 Card 1 of 2 Date Printed 01/12/2009
Alt: 230 -0628-003-001.00 Map:
TD 1110 STR 16 04N 13W Block 003 2008 TAX ASSESSOR RECORDS
512 EASTSIDE AVENUE Card 1 of 2
Field Work by /00/
PPIN 21308

AMERICAN LEGION AUXILIARY #226
522 EASTSIDE AVE

HATTIESBURG MS 39402
Exempt Code 11
COM AT THE NW/COR OF LOT 1 OF BLK 3 OF D D MCINNIS 3RD FOR POB N45DEG E 64.31' SOUTH 46DEG E 111.20' SOUTH 44DEG W 66.68' TO SCOOBA ST N45DEG W 111.43' BACK TO POB CONT .17AC
B778 P311 9/97
DEED-969 027 09/28/2005
MCINNIS D D 3RD ADD

Land Value	Buildings	Total Value
5420	74470	79890

Lot Size	Acres	Use Code
64.31X200		6300

0628 /00

Type	Size	Price	D/F	Adj	Desc	$/ft	Value	C
	64.00X 111	110.00	.77			84.70	5420	1

Bld	Type	Foundation	Class	Unit	Base Area	Adjust Area	Base Rate	Adjusted Rate	Cost per Ft	Replace Cost	G%	Year Built	Value	SL	T C	Old Value
1	RESTAURANT	SLAB	H/D-	89	2305	2414	26.49	23.58	30.18	88398	68	1987	60110	68	2	60510

Extras

1	FHA/AC COM	8643		

	Exterior Walls	Roof Type	Roof Material	Floors				
1	CB PLAIN 8"	31 HIP	9 SHEET METAL	2 CONC ON GRADE	6	1	FIXTURES	3500
						1	TOTAL EXTR	15543

	Interior Walls	Interior Ceiling	Plumbing	Electricity	Adjustments	
1	PLAS&FURR	15 SUSPENDED ACC TL	17 AVERAGE	8 AVERAGE	3 FRONT / INT	3

CHG COND 3-18-02 TC; NOTE:APPEARS TO BE ON PAR 273;

2-038C-16-272.00 Card 2 of 2 Date Printed 01/12/2009
Alt: 230 -0628-003-001.00 Map:
TD 1110 STR 16 04N 13W Block 003
512 EASTSIDE AVENUE
Field Work by /00/

2008 TAX ASSESSOR RECORDS
Card 2 of 2

PPIN 21308

Land Value	Buildings	Total Value
5420	74470	79890

AMERICAN LEGION AUXILIARY #225
522 EASTSIDE AVE

HATTIESBURG MS 39402
Exempt Code 11
COM AT THE NW/COR OF LOT 1 OF BLK 3 OF D D MCINNIS 3RD FOR POB N45DEG E 64.91' SOUTH 46DEG E 111.20' SOUTH 44DEG W 66.68' TO SCOOBA ST N45DEG W 111.43' BACK TO POB CONT .17AC
B778 P311 9/97
DEED-969 027 09/28/2005
MCINNIS D D 3RD ADD

Lot Size Acres Use Code

0628 /00

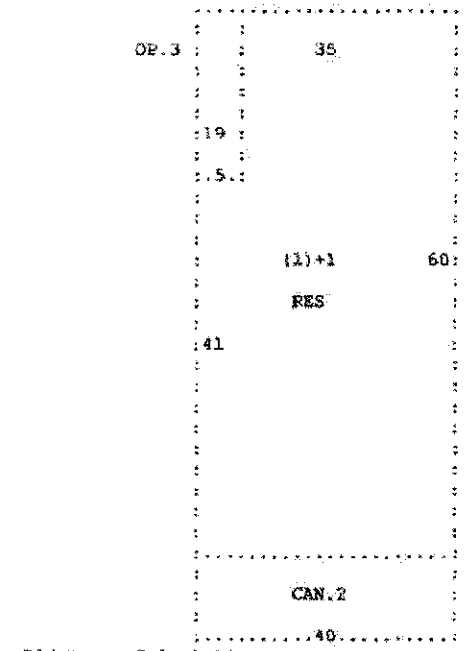
Type	Size	Price	D/F	Adj	Desc	$/ft	Value	C

Bld	Type	Foun dati	Cla Class	Uni	Base Area	Adjust Area	Base Rate	Adjusted Rate	Cost per Ft	Replace Cost	G%	Year Buil	Value	SL	T C	Old Value
2	WASHTERIA	SLAB	L/D-	75	960	989	23.85	17.89	22.90	23928	60		14360	2		13460
												Extras				
											2	FIXTURES	1000			

	Exterior Walls	Roof Type	Roof Material	Floors			
2	CB PLAIN 8"	31 FLAT SHED	7 BUILT UP T & G	3 CONC ON GRADE	6	2 TOTAL EXTR	1280
	Interior Walls	Interior Ceiling	Plumbing	Electricity	Adjustments		
2	PLAS&FURR	15 WOOD ON CEIL BD	7 AVERAGE	8 AVERAGE	3		

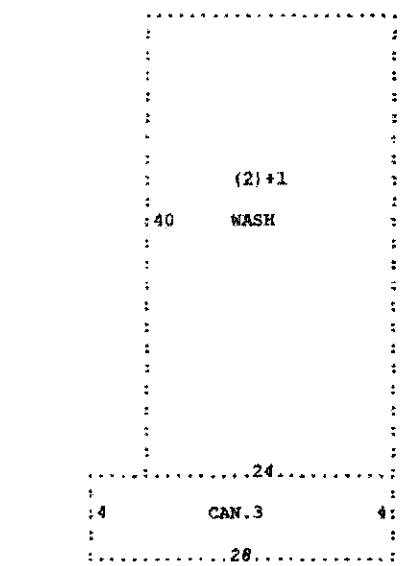
CHG COND 3-18-02 TC; NOTE:APPEARS TO BE ON PAR 273;

Date Printed 00/00/0000 Parcel 2-038C-16-272.00 Name AMERICAN LEGION AUXILIARY #225 PPIN 21308
2-038C-16-272.00 Card 1 of 2 Card 1 of 2
Alt: 230 -0628-003-001.00



Bld	Desc	Calculation	Gross	Stories	Adj	Adj Area	Second Floor
1	RES	U41R5U19R35D60L40	2305	1.0	1.0	2305	
1	CAN	10X40	400	1.0	.2	80	
1	OP	5X19	95	1.0	.3	29	

Date Printed 00/00/0000 Parcel 2-038C-16-272.00 Name AMERICAN LEGION AUXILIARY #225 PPIN 21308
2-038C-16-272.00 Card 2 of 2 Card 2 of 2
Alt: 230 -0628-003-001.00



Bld	Desc	Calculation	Gross	Stories	Adj	Adj Area	Second Floor
2	WASH	40X24	960	1.0	1.0	960	
2	CAN	4X24	96	1.0	.3	29	

Forrest County Mississippi

Powered by: Delta Computer Systems, Inc.

Property Appraisal Link

FORREST COUNTY, MS

Current Date 4/ 6/2009

APPRAISAL INQUIRY

PARCEL 2-038C-16-273.00	**ALT PARCEL NUMBER** 230 -0628-003-001.02
PPIN 033745	**SKETCH** 1
OWNER NAME	BEVON T J & VIRGINIA BEVON BURKS
OWNER ADDRESS	8 FRIEND RD
	HATTIESBURG MS39402

PROPERTY ADDRESS
PROPERTY IS VACANT (Y/N) N
FIELD WORK BY **DATE:** / /
CLASSED BY **DATE:** / /
REVIEWED BY BO **DATE:** 8/14/2007
REALTOR CODE

LEGAL DESCRIPTION

1 COM AT THE NW/COR OF LOT 1 OF BLK 3
2 OF D D MCINNIS 3RD SUR SELY 111.43'
3 TO POB SELY 89' NELY 64.31' NWLY
4 89' SOUTH 44DEG W 66.68' BACK TO
5 POB

Section 16 Township 04N Range 13W

LOT INFORMATION

LOT CODE 0628 **LOT SIZE** 89 X 64 **LOT VALUE** 6660

CODE	FRONT FT	DEPTH	PRICE	DEPTH TABLE	DEPTH %	ADJ. %	DESCRIPTION	ADJ PRICE	APPRAISED	CLASS
OVER	89.00	64	110.00	9	.68	1.00		74.80	6660	1

ACRE INFORMATION

ACRES	TYPE	QUAL CLASS	PRICE CODE	UNCLUT CODE	PRICE ADJ. %	DESCRIPTION	APPRAISED	MARKET

*** NO ACREAGE INFO ***

ACREAGE VALUE **OVERALL VALUE** 6660
LAND USE CODE CLASS 1
LAND USE CODE CLASS 2

BUILDING DESCRIPTIONS

NUMBER	CODE	BUILDING DESCRIPTION	VALUE	ELIGIBLE CLASS 1
001	075	WASHTERIA	14430	N

TOTAL PARCEL VALUE 21090

View Tax Record

Forrest County Mississippi

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Property Link

FORREST COUNTY, MS

Current Date ***4/ 6/2009*** Records Last Updated **4/ 3/2009**

PROPERTY DETAIL

OWNER BEVON T J & VIRGINIA BEVON BUR
8 FRIEND RD

HATTIESBURG MS 39402

ACRES : **NA**
LAND VALUE : 6660
IMPROVEMENTS : 14430
TOTAL VALUE: 21090
ASSESSED : 3164

PARCEL 2-038C-16-273.00
ADDRESS ****NA****

TAX INFORMATION

YEAR 2008	TAX DUE	PAID	BALANCE
COUNTY	192.56	0.00	198.34
CITY	150.45	0.00	154.96
SCHOOL	208.32	0.00	214.57
TOTAL	551.33	0.00	567.87 *3% Penalty*

LAST PAYMENT DATE **NA**

MISCELLANEOUS INFORMATION

EXEMPT CODE		**LEGAL** COM AT THE NW/COR OF LOT 1 OF
HOMESTEAD CODE	None	BLK 3
TAX DISTRICT	*1110*	OF D D MCINNIS 3RD SUR SELY 11
PPIN	033745	1.43'
SECTION	16	TO POB SELY 89' NELY 64.31' N
TOWNSHIP	04N	WLY
RANGE	13W	89' SOUTH 44DEG W 66.68' BACK
		TO
Book	**Page**	

View Appraisal Record

Back

Forrest County Mississippi

Powered by: Delta Computer Systems, Inc.

Property Appraisal Link

FORREST COUNTY, MS

Current Date 4/ 6/2009

APPRAISAL INQUIRY

PARCEL 2-038C-16-273.00	**ALT PARCEL NUMBER** 230 -0628-003-001.02
PPIN 033745	**SKETCH** 1
OWNER NAME	BEVON T J & VIRGINIA BEVON BURKS

APPRAISAL SUMMARY - STRUCTURE CLASS R AND C

EXTERIOR		CB PLAIN 8"
ROOF TYPE		FLAT SHED
ROOF MATERIAL		BUILT UP T & G
FLOORS		CONC ON GRADE
INTERIOR		PLAS&FURR
PLUMBING		AVERAGE
ELECTRIC		AVERAGE

	BASIC AREA	960
	UNITS: CONST 80	
	CLASS D- **CLASS UNITS**	-5
=	**TOTAL UNITS**	75
X	**RATES: BASE** 23.85 **ADJ.**	17.89
X	**INDEX** 1.280 **COST/SF**	22.90
X	**ADJUSTED AREA**	994
=	**BASIC COST**	22763
+	**EXTRA FEATURES**	1280
=	**ADJUSTED COST**	24043
	DEPRECIATION:	
	STRAIGHT	
	ADDITIONAL	
	OVERRIDE	60
X	**CONDITION**	60 %
=	**DEPRECIATED COST**	14426
X	**NUMBER OF BUILDINGS**	1
	FINAL VALUE	14430
	OVERRIDE VALUE	

YEAR BUILT

OVERRIDE REASON X

View Tax Record

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HOME

FORREST COUNTY, MISSISSIPPI

TAX ASSESSOR - MARY ANN PALMER

CONTACT

Year: 2008 New Search Print Results

PPIN	PARCEL NUMBER	OWNER NAME
033508	2-038C-16-271.00	PARKER VERNADINE & DAVID

Office Information
P.O. Box 1626
Hattiesburg, MS 39402

Phone: (601) 545-6130
Fax: (601) 545-6180

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Office Hours

8:00 a.m. to 5:00 p.m.
Monday - Friday
Excluding Holidays

Return to www.tscmaps.com

Summary of 2007 DNAPL Recovery Activities
Gordon's Creek Fill Area
March 18, 2009

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

DNAPL Monitoring and Recovery System

In late 2003, Kerr-McGee Chemical LLC (now Tronox LLC) installed a system of 17 recovery wells (FARW-01 through FARW-17) behind the Waterloo Barrier at the western edge of the Gordon's Creek Fill Area containment area. As a result of remediation conducted at the Fill Area, the barrier now forms the eastern bank of the creek adjacent to the containment area. Recovery wells were installed at 25-foot intervals to allow for the collection and removal of dense non-aqueous phase liquids (DNAPLs) accumulating behind the barrier, where present. Tronox also installed 12 monitoring wells (FAMW-01 through FAMW-12) at 50-foot intervals to monitor for the presence of DNAPLs at the contact between the Fill Area sands and the underlying Hattiesburg clay.

The locations of Fill Area monitoring and recovery wells are shown on attached Figure 1. Well completion information is summarized in Table 1.

DNAPL Gauging and Recovery Operations

In May 2004, Tronox began to gauge and recover DNAPL from the system on a monthly basis. In early 2005, MDEQ approved a decrease in gauging and recovery frequency from monthly to quarterly.

Regular procedures for DNAPL gauging and recovery are as follows:

- Remove manhole covers and well caps.
- Measure the depth to water level from top of casing in each recovery and monitoring well using an electronic water level indicator.
- Check for the presence of DNAPL in each recovery and monitoring well using weighted cotton string.
- If wells contain measurable free product (i.e., 0.1 foot or more), install copper drop tubes extending from the base of each recovery well to land surface. Drop tubes are connected directly to silicon tubing to allow recovery of DNAPL using a peristaltic pump.
- Pump all recovery wells containing measurable amounts of free DNAPL into sealable containers. Wells are pumped until only a sheen is present.
- Transport product/water mixture to Tronox's Columbus, Mississippi recovery system for recycle/reuse.

Summary of 2007 DNAPL Recovery Activities
Gordon's Creek Fill Area
March 18, 2009

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

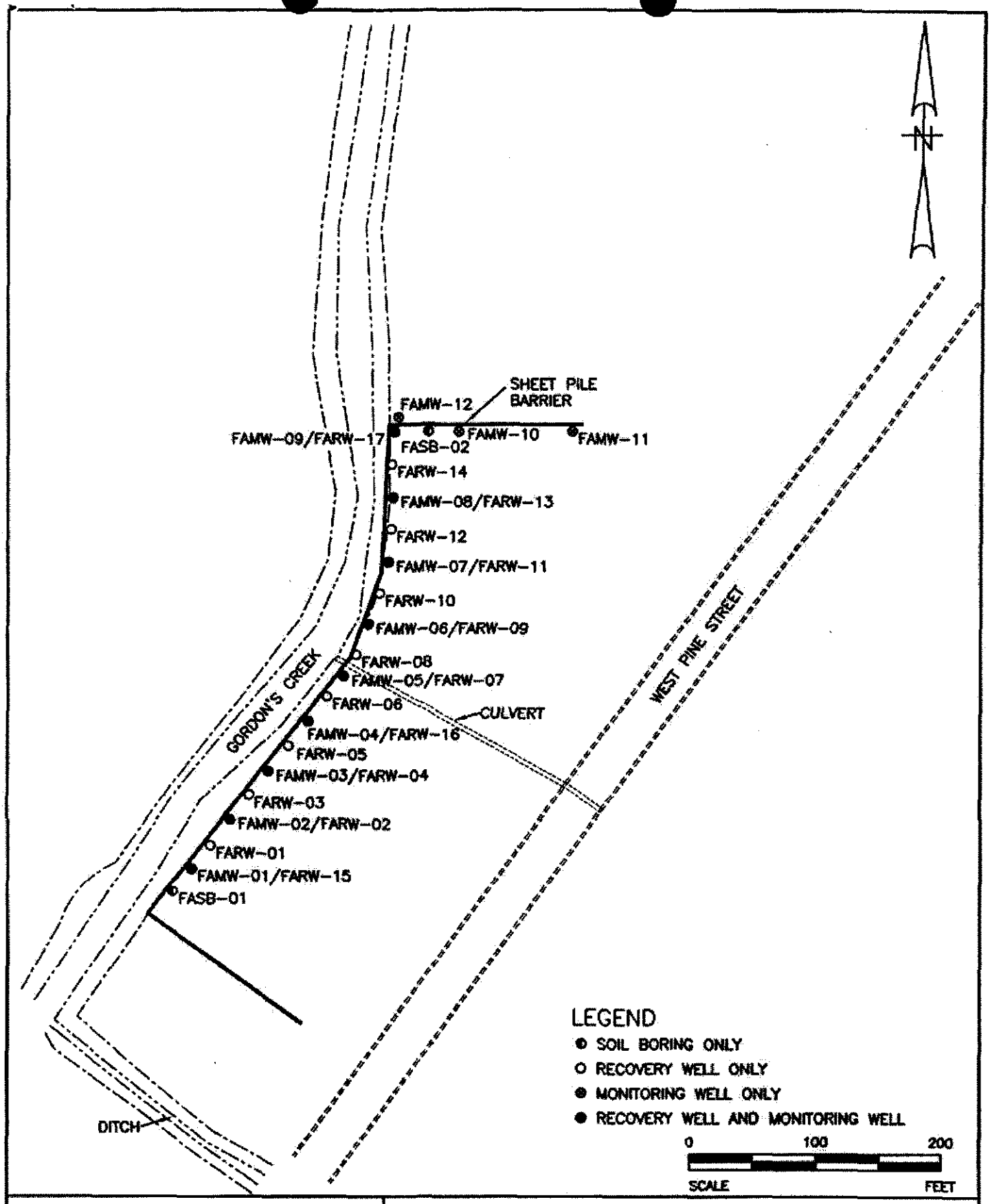
Summary of Gauging and Recovery Activities to Date

Tronox conducted quarterly well gauging and DNAPL recovery at the Gordon's Creek Fill Area (the Fill Area) in 2007. A trace amount of product was encountered in well FAMW-01 in February 2007 and measurable product was encountered in well FARW-05 in August 2007 for the first time. Tubing was installed in these wells to allow for DNAPL recovery.

The results of well gauging and recovery are summarized in Tables 2 through 4. To date, measurable DNAPL (i.e., 0.1 foot or more) has been encountered in six recovery wells (FARW-04, FARW-05, FARW-06, FARW -07, FARW-08 and FARW-10) and one monitoring well (FAMW-06). As shown on Table 4, a total of 0.75 gallons of DNAPL was removed from the system in 2007.

Future Gauging and Recovery

Tronox will continue to gauge and recover DNAPLs in monitoring and recovery wells on a quarterly basis. Four gauging/recovery events were conducted in 2008 and the 2008 DNAPL recovery report will be submitted by March 25, 2009. A schedule for the 2009 quarterly events was submitted to MDEQ in an email dated January 22, 2009.



MICHAEL PISANI & ASSOCIATES
Environmental Management and Engineering Services
New Orleans, Louisiana Houston, Texas

SCALE: 1"=100' | DWG. NO.: 21-04/322A

FIGURE 1
RECOVERY WELL AND MONITORING WELL LOCATIONS
FILL AREA

FORMER GULF STATES CREOSOTING SITE
HATTIESBURG, MISSISSIPPI

Table 1

Well Completion Data
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Installation Date	Construction Materials	Distance from Upstream Wingwall (ft.)	Boring Depth	Screened Interval	Depth to Top of Filter Pack	Depth to Top of Bentonite Seal
FAMW-01	11/3/2003	2" PVC	50	28.0	21.3-26.3	19.0	17.0
FAMW-02	11/4/2003	2" PVC	100	26.0	19.0-24.0	17.0	15.0
FAMW-03	11/4/2003	2" PVC	150	24.0	17.0-22.0	15.0	13.0
FAMW-04	11/4/2003	2" PVC	200	24.0	17.0-22.0	15.0	13.0
FAMW-05	11/6/2003	2" PVC	250	24.0	18.0-23.0	16.0	14.0
FAMW-06	11/4/2003	2" PVC	300	22.0	16.0-21.0	14.0	12.0
FAMW-07	11/6/2003	2" PVC	350	24.0	18.0-23.0	16.0	14.0
FAMW-08	11/6/2003	2" PVC	400	22.0	16.0-21.0	14.0	12.0
FAMW-09	11/5/2003	2" PVC	450	22.0	16.0-21.0	14.0	12.0
FAMW-10	11/5/2003	2" PVC	Wing Wall	24.0	18.0-23.0	16.0	14.0
FAMW-11	11/5/2003	2" PVC	Wing Wall	28.0	22.5-27.5	20.5	18.5
FAMW-12	11/5/2003	2" PVC	Outside WW	22.0	16.0-21.0	14.0	12.0
FARW-01	11/7/2003	4" SS	75	10.0	5.0-10.0	4.0	3.5
FARW-02	11/7/2003	4" SS	100	12.0	5.0-10.0	4.0	3.5
FARW-03	11/7/2003	4" SS	125	12.0	6.5-11.5	5.5	4.5
FARW-04	11/10/2003	4" SS	150	12.0	6.5-11.5	5.5	4.5
FARW-05	11/10/2003	4" SS	175	12.0	6.5-11.5	5.5	4.5
FARW-06	11/10/2003	4" SS	225	12.0	6.0-11.0	5.0	4.0
FARW-07	11/10/2003	4" SS	250	13.5	8.5-13.5	6.5	4.5
FARW-08	11/10/2003	4" SS	275	12.0	6.0-11.0	5.0	4.0
FARW-09	11/11/2003	4" SS	300	10.5	5.5-10.5	4.5	3.5
FARW-10	11/11/2003	4" SS	325	24.0	6.0-21.0	5.0	4.0
FARW-11	11/12/2003	4" SS	350	22.0	7.0-22.0	5.0	4.0
FARW-12	11/11/2003	4" SS	375	14.0	3.0-8.0	2.5	2.0
FARW-13	11/12/2003	4" SS	400	10.5	5.5-10.5	4.5	3.5
FARW-14	11/12/2003	4" SS	425	10.0	5.0-10.0	4.0	3.5
FARW-15	11/20/2003	4" SS	50	9.0	4.0-9.0	3.0	2.0
FARW-16	11/20/2003	4" SS	200	8.5	3.5-8.5	3.0	2.0
FARW-17	11/20/2003	4" SS	450	8.5	3.5-8.5	3.0	2.0

Note:
All depths are reported in feet below land surface.

Table 2

Water Levels
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date										
	5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	5.17	4.41	2.88	3.24	3.40	3.29	3.00	3.52	4.18	NM	NM
FAMW-02	3.93	3.32	2.90	3.30	3.34	3.37	3.01	3.05	2.98	3.90	4.01
FAMW-03	3.97	3.25	2.34	2.74	2.95	3.00	2.50	2.90	2.99	NM	NM
FAMW-04	3.42	2.96	1.89	1.75	2.20	2.33	1.67	1.83	1.93	NM	NM
FAMW-05	2.79	2.46	2.02	2.03	2.43	2.95	2.12	2.05	1.01	NM	NM
FAMW-06	2.75	2.10	2.00	2.38	2.69	2.99	2.48	2.35	1.23	2.45	2.84
FAMW-07	2.37	2.30	2.17	2.37	2.72	3.02	2.54	2.69	1.53	3.28	3.40
FAMW-08	2.88	2.42	2.46	2.58	2.87	3.25	2.94	3.03	1.69	3.27	3.52
FAMW-09	3.53	3.12	4.83	5.42	5.86	6.20	5.88	4.92	1.95	3.59	3.97
FAMW-10	6.18	5.31	9.90	7.55	8.00	8.34	8.13	7.64	5.88	NM	NM
FAMW-11	8.25	7.30	9.06	6.29	6.79	6.90	6.60	8.40	9.94	8.68	9.14
FAMW-12	6.24	6.14	4.05	4.40	4.62	4.61	4.20	6.43	9.15	7.09	10.22
FARW-01	3.16	2.50	2.04	2.52	2.67	2.74	1.25	1.41	1.16	3.21	2.89
FARW-02	2.03	1.49	1.87	1.52	1.70	1.72	0.04	0.32	0.18	2.40	1.92
FARW-03	2.63	1.38	0.75	1.40	1.40	1.42	1.10	0.89	0.49	2.15	2.01
FARW-04	2.60	1.80	1.99	1.53	1.47	1.50	1.46	1.39	0.30	1.68	2.78
FARW-05	2.29	1.45	0.99	1.67	1.69	1.96	0.81	0.93	0.21	0.70	2.72
FARW-06	1.78	0.98	0.60	1.10	1.35	1.40	0.75	0.71	0.00	1.95	1.72
FARW-07	2.15	1.34	0.10	1.29	1.63	1.68	0.88	0.69	0.49	2.27	2.10
FARW-08	2.34	1.81	1.68	1.80	2.15	2.03	1.41	1.52	1.00	2.67	2.48
FARW-09	2.69	2.31	2.19	2.00	2.12	2.58	2.00	1.93	1.33	2.65	2.60
FARW-10	2.42	1.87	1.68	1.79	2.26	2.44	1.72	1.54	1.12	2.86	2.85
FARW-11	2.37	1.78	1.38	1.84	2.04	2.39	1.87	1.90	1.10	2.70	2.87
FARW-12	3.07	0.04	0.20	0.03	0.77	0.85	0.89	0.76	0.00	1.60	0.67
FARW-13	0.10	0.01	0.05	0.01	1.12	1.35	0.71	0.21	0.00	1.54	1.45
FARW-14	1.35	0.95	0.56	0.70	0.89	1.10	0.03	0.34	0.00	1.33	1.03
FARW-15	3.38	2.64	2.04	2.51	2.65	2.62	1.35	2.43	1.15	3.20	2.91
FARW-16	1.50	1.19	1.22	1.50	1.60	1.63	0.05	0.33	0.41	3.00	2.00
FARW-17	0.98	0.90	0.74	0.50	0.83	0.90	0.31	0.77	0.00	1.49	1.00

Note:
Water levels are reported in feet below top of casing.
NM - water level not measured during this event.

Table 2 (continued)

Water Levels
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date							
	2/21/06	5/15/06	8/21/06	11/9/06	2/27/07	5/22/07	8/28/07	10/23/07
FAMW-01	NM	NM	NM	4.43	0.65	4.42	4.15	4.21
FAMW-02	3.43	0.63	3.33	3.34	2.73	3.19	2.99	3.01
FAMW-03	NM	NM	NM	3.31	2.30	3.24	2.98	2.97
FAMW-04	NM	NM	NM	2.77	1.54	2.30	2.30	2.29
FAMW-05	NM	NM	NM	1.96	0.63	1.22	1.49	1.31
FAMW-06	2.05	2.01	2.60	2.60	1.24	1.67	1.81	1.74
FAMW-07	2.42	2.01	2.87	2.97	1.28	1.87	1.98	2.01
FAMW-08	2.54	2.21	2.98	3.00	1.87	1.92	2.00	1.99
FAMW-09	2.85	2.40	3.26	3.48	1.62	2.21	2.01	2.15
FAMW-10	NM	NM	NM	9.44	4.40	5.02	5.01	5.01
FAMW-11	8.00	7.58	8.60	8.80	6.75	7.17	7.23	7.20
FAMW-12	6.60	6.59	6.97	6.80	5.98	5.99	5.98	5.99
FARW-01	1.32	1.70	2.19	1.93	4.02	1.96	1.64	1.84
FARW-02	0.41	3.27	1.20	0.90	0.00	0.97	0.51	0.89
FARW-03	0.87	0.78	1.22	1.82	1.11	1.29	0.50	0.50
FARW-04	2.47	1.98	1.50	1.47	1.27	0.94	1.25	1.90
FARW-05	1.47	1.16	1.28	1.59	1.67	1.68	1.64	1.72
FARW-06	0.54	0.47	0.80	0.87	0.24	0.51	0.60	1.02
FARW-07	0.57	0.68	1.19	1.34	0.23	0.69	0.85	0.84
FARW-08	1.30	1.44	1.80	1.77	0.08	1.22	1.47	1.74
FARW-09	1.92	2.04	2.21	2.01	2.00	1.52	1.57	1.55
FARW-10	1.68	1.67	2.23	2.19	0.60	1.36	1.66	1.67
FARW-11	1.81	1.47	2.27	2.40	0.68	1.33	1.49	1.50
FARW-12	0.10	0.08	0.93	0.30	0.18	0.13	0.01	0.00
FARW-13	0.10	0.39	1.01	0.20	0.15	0.28	0.60	0.54
FARW-14	0.31	0.18	0.86	0.70	0.09	0.02	0.54	0.59
FARW-15	1.27	1.62	2.26	1.95	0.68	1.92	1.60	1.84
FARW-16	0.65	0.90	1.39	0.97	0.30	1.13	0.99	0.98
FARW-17	0.30	0.18	0.91	0.40	0.13	0.03	0.02	0.00

Note:
Water levels are reported in feet below top of casing.
NM - water level not measured during this event.

Table 3

Ground Water Elevations
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	TOC Elev.	Date										
		5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	183.90	178.73	179.49	181.02	180.66	180.50	180.61	180.90	180.38	179.72	NM	NM
FAMW-02	182.72	178.79	179.40	179.82	179.42	179.38	179.35	179.71	179.67	179.74	178.82	178.71
FAMW-03	182.78	178.81	179.53	180.44	180.04	179.83	179.78	180.28	179.88	179.79	NM	NM
FAMW-04	182.72	179.30	179.76	180.83	180.97	180.52	180.39	181.05	180.89	180.79	NM	NM
FAMW-05	181.99	179.20	179.53	179.97	179.96	179.56	179.04	179.87	179.94	180.98	NM	NM
FAMW-06	181.64	178.89	179.54	179.64	179.26	178.95	178.65	179.16	179.29	180.41	179.19	178.80
FAMW-07	181.75	179.38	179.45	179.58	179.38	179.03	178.73	179.21	179.06	180.22	178.47	178.35
FAMW-08	181.74	178.86	179.32	179.28	179.16	178.87	178.49	178.80	178.71	180.05	178.47	178.22
FAMW-09	181.93	178.40	178.81	177.10	176.51	176.07	175.73	176.05	177.01	179.98	178.34	177.96
FAMW-10	184.43	178.25	179.12	174.53	176.88	176.43	176.09	176.30	176.79	178.55	NM	NM
FAMW-11	186.11	177.86	178.81	177.05	179.82	179.32	179.21	179.51	177.71	176.17	177.43	176.97
FAMW-12	182.96	176.72	176.82	178.91	178.56	178.34	178.35	178.76	176.53	173.81	175.87	172.74
FARW-01	183.74	180.58	181.24	181.70	181.22	181.07	181.00	182.49	182.33	182.58	180.53	180.85
FARW-02	182.77	180.74	181.28	180.90	181.25	181.07	181.05	182.73	182.45	182.59	180.37	180.85
FARW-03	182.30	179.67	180.92	181.55	180.90	180.90	180.88	181.20	181.41	181.81	180.15	180.29
FARW-04	182.35	179.75	180.55	180.36	180.82	180.88	180.85	180.89	180.96	182.05	180.67	179.57
FARW-05	182.36	180.07	180.91	181.37	180.69	180.67	180.40	181.55	181.43	182.15	181.66	179.64
FARW-06	181.51	179.73	180.53	180.91	180.41	180.16	180.11	180.76	180.80	181.51	179.56	179.79
FARW-07	181.53	179.38	180.19	181.43	180.24	179.90	179.85	180.65	180.84	181.04	179.26	179.43
FARW-08	181.33	178.99	179.52	179.65	179.53	179.18	179.30	179.92	179.81	180.33	178.66	178.85
FARW-09	181.23	178.54	178.92	179.04	179.23	179.11	178.65	179.23	179.30	179.90	178.58	178.63
FARW-10	181.40	178.98	179.53	179.72	179.61	179.14	178.96	179.68	179.86	180.28	178.54	178.55
FARW-11	181.14	178.77	179.36	179.76	179.30	179.10	178.75	179.27	179.24	180.04	178.44	178.27
FARW-12	181.22	178.15	181.18	181.02	181.19	180.45	180.37	180.33	180.46	181.22	179.62	180.55
FARW-13	181.29	181.19	181.28	181.24	181.28	180.17	179.94	180.58	181.08	181.29	179.75	179.84
FARW-14	181.30	179.95	180.35	180.74	180.60	180.41	180.20	181.27	180.96	181.30	179.97	180.27
FARW-15	183.78	180.40	181.14	181.74	181.27	181.13	181.16	182.43	181.35	182.63	180.58	180.87
FARW-16	182.58	181.08	181.39	181.36	181.08	180.98	180.95	182.53	182.25	182.17	179.58	180.58
FARW-17	181.33	180.35	180.43	180.59	180.83	180.50	180.43	181.02	180.56	181.33	179.84	180.33

Note:
Ground water elevations are reported in feet above mean sea level.
NM - water level not measured during this event.

Table 3 (continued)

Ground Water Elevations
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	TOC Elev.	Date 2/21/06	5/15/06	8/21/06	11/9/06	2/27/07	5/22/07	8/28/07	10/23/07
FAMW-01	183.90	NM	NM	NM	179.47	183.25	179.48	179.75	179.69
FAMW-02	182.72	179.29	182.09	179.39	179.38	179.99	179.53	179.73	179.71
FAMW-03	182.78	NM	NM	NM	179.47	180.48	179.54	179.80	179.81
FAMW-04	182.72	NM	NM	NM	179.95	181.18	180.42	180.42	180.43
FAMW-05	181.99	NM	NM	NM	180.03	181.36	180.77	180.50	180.68
FAMW-06	181.64	179.59	179.63	179.04	179.04	180.40	179.97	179.83	179.90
FAMW-07	181.75	179.33	179.74	178.88	178.78	180.47	179.88	179.77	179.74
FAMW-08	181.74	179.20	179.53	178.76	178.74	179.87	179.82	179.74	179.75
FAMW-09	181.93	179.08	179.53	178.67	178.45	180.31	179.72	179.92	179.78
FAMW-10	184.43	NM	NM	NM	174.99	180.03	179.41	179.42	179.42
FAMW-11	186.11	178.11	178.53	177.51	177.31	179.36	178.94	178.88	178.91
FAMW-12	182.96	176.36	176.37	175.99	176.16	176.98	176.97	176.98	176.97
FARW-01	183.74	182.42	182.04	181.55	181.81	179.72	181.78	182.10	181.90
FARW-02	182.77	182.36	179.50	181.57	181.87	182.77	181.80	182.26	181.88
FARW-03	182.30	181.43	181.52	181.08	180.48	181.19	181.01	181.80	181.80
FARW-04	182.35	179.88	180.37	180.85	180.88	181.08	181.41	181.10	180.45
FARW-05	182.36	180.89	181.20	181.08	180.77	180.69	180.68	180.72	180.64
FARW-06	181.51	180.97	181.04	180.71	180.64	181.27	181.00	180.91	180.49
FARW-07	181.53	180.96	180.85	180.34	180.19	181.30	180.84	180.68	180.69
FARW-08	181.33	180.03	179.89	179.53	179.56	181.25	180.11	179.86	179.59
FARW-09	181.23	179.31	179.19	179.02	179.22	179.23	179.71	179.66	179.68
FARW-10	181.40	179.72	179.73	179.17	179.21	180.80	180.04	179.74	179.73
FARW-11	181.14	179.33	179.67	178.87	178.74	180.46	179.81	179.65	179.64
FARW-12	181.22	181.12	181.14	180.29	180.92	181.04	181.09	181.21	181.22
FARW-13	181.29	181.19	180.90	180.28	181.09	181.14	181.01	180.69	180.75
FARW-14	181.30	180.99	181.12	180.44	180.60	181.21	181.28	180.76	180.71
FARW-15	183.78	182.51	182.16	181.52	181.83	183.10	181.86	182.18	181.94
FARW-16	182.58	181.93	181.68	181.19	181.61	182.28	181.45	181.59	181.60
FARW-17	181.33	181.03	181.15	180.42	180.93	181.20	181.30	181.31	181.33

Note:
Ground water elevations are reported in feet above mean sea level.
NM - water level not measured during this event.

Table 4

Product Measurements
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date										
	5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-04	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-05	Clean	Clean	Clean	Clean	Clean	Trace	Trace	Trace	Clean	NM	NM
FAMW-06	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Trace	Trace	Trace
FAMW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-08	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-09	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-10	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-04	Trace	0.1	Trace	Trace	Trace	Trace	Trace	Trace	Trace	0.16	Trace
FARW-05	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-06	0.31	0.27	Clean	Trace	0.85	0.1	Trace	Trace	Trace	0.15	Trace
FARW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Trace
FARW-08	0.05	Trace	Trace	Trace	Trace	0.2	0.1	0.3	0.3	0.46	Trace
FARW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-10	0.5	0.36	Trace	Clean	0.8	Trace	0.1	0.2	0.1	Trace	Trace
FARW-11	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-13	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-14	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-15	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-16	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-17	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
Product Recovered (gals)	1.25	0.25	0.25	1.25	0.5	0.25	0.25	0.5	0.5	1	0.25

Note:
Product thickness is reported in feet, where present.
(a) Sheen reported
NM - product thickness not measured during this event.

Table 4 (continued)

Product Measurements
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date 2/21/06	5/15/06	8/21/06	11/9/06	2/27/07	5/22/07	8/28/07	10/23/07
FAMW-01	NM	NM	NM	Trace	Trace	Clean	Clean	Clean
FAMW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-03	NM	NM	NM	Clean	Clean	Clean	Clean	Clean
FAMW-04	NM	NM	NM	Clean	Clean	Clean	Clean	Clean
FAMW-05	NM	NM	NM	Clean	Clean	Clean	Clean	Clean
FAMW-06	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FAMW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-08	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-10	NM	NM	NM	Clean	Clean	Clean	Clean	Clean
FAMW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-04	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FARW-05	Clean	Clean	Clean	Clean	Clean	Clean	[illegible]	[illegible]
FARW-06	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FARW-07	[illegible]	[illegible]	[illegible]	[illegible]	Clean	[illegible]	[illegible]	[illegible]
FARW-08	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
FARW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-10	Clean	Clean	Trace	Clean	[illegible]	[illegible]	[illegible]	[illegible]
FARW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-13	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-14	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-15	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-16	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-17	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
Product Recovered (gals)	0.5	0.5	0.25	0.5	0.25	0.125	0.25	0.125

Note:
Product thickness is reported in feet, where present.
(a) Sheen reported
NM - product thickness not measured during this event.

Invoice

Invoice Number:
Date: February 4, 2009

OFFICE OF POLLUTION CONTROL
LABORATORY
1542 Old Whitfield Road
PEARL, MS 39208
PHONE: (601) 664-3900

To:
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNCONTROLLED SITES SECTION VOLUNTARY
EVALUATION PROGRAM
P. O. BOX 10385
JACKSON, MS 39289

Ship to (if different address):
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNCONTROLLED SITES SECTION
VOLUNTARY EVALUATION PROGRAM
2380 HWY 80 WEST
JACKSON, MS 39204

QTY.	DESCRIPTION	UNIT PRICE	TOTAL
3	SVOA SAMPLE ANALYZED, Gulf States Creosote Sample Number 38677, 38678 & 38679; VEP #40470048	$425.00	$1,275.00
	Subtotal (Sheet Total)		$1,275.00

2007 GROUNDWATER ELEVATIONS & PRODUCT THICKNESS

Date:	2/27/2007		Date:	5/22/2007		Date:	8/28/2007		Date:	10/23/07	
Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness
MW -1	0.65	Trace	MW -1	4.42	Clean	MW -1	4.15	Clean	MW -1	4.21	Clean
MW - 2	2.73	Clean	MW - 2	3.19	Clean	MW - 2	2.99	Clean	MW - 2	3.01	Clean
MW - 3	2.3	Clean	MW - 3	3.24	Clean	MW - 3	2.98	Clean	MW - 3	2.97	Clean
MW - 4	1.54	Clean	MW - 4	2.3	Clean	MW - 4	2.3	Clean	MW - 4	2.29	Clean
MW - 5	0.63	Clean	MW - 5	1.22	Clean	MW - 5	1.49	Clean	MW - 5	1.31	Clean
MW - 6	1.24	0.76	MW - 6	1.67	0.33	MW - 6	1.81	0.75	MW - 6	1.74	0.59
MW - 7	1.28	Clean	MW - 7	1.87	Clean	MW - 7	1.98	Clean	MW - 7	2.01	Clean
MW - 8	1.87	Clean	MW - 8	1.92	Clean	MW - 8	2	Clean	MW - 8	1.99	Clean
MW - 9	1.62	Clean	MW - 9	2.21	Clean	MW - 9	2.01	Clean	MW - 9	2.15	Clean
MW - 10	4.4	Clean	MW - 10	5.02	Clean	MW - 10	5.01	Clean	MW - 10	5.01	Clean
MW - 11	6.75	Clean	MW - 11	7.17	Clean	MW - 11	7.23	Clean	MW - 11	7.2	Clean
MW - 12	5.98	Clean	MW - 12	5.99	Clean	MW - 12	5.98	Clean	MW - 12	5.99	Clean
RW - 1	4.02	Clean	RW - 1	1.96	Clean	RW - 1	1.64	Clean	RW - 1	1.84	Clean
RW - 2	0	Clean	RW - 2	0.97	Clean	RW - 2	0.51	Clean	RW - 2	0.89	Clean
RW - 3	1.11	Clean	RW - 3	1.29	Clean	RW - 3	0.5	Clean	RW - 3	0.5	Clean
RW - 4	1.27	0.12	RW - 4	0.94	0.13	RW - 4	1.25	0.33	RW - 4	1.9	0.05
RW - 5	1.67	Clean	RW - 5	1.68	Clean	RW - 5	1.64	0.31	RW - 5	1.72	0.1
RW - 6	0.24	Trace	RW - 6	0.51	Trace	RW - 6	0.6	0.31	RW - 6	1.02	Trace
RW - 7	0.23	Clean	RW - 7	0.69	Trace	RW - 7	0.85	0.32	RW - 7	0.84	Trace
RW - 8	0.08	Trace	RW - 8	1.22	Trace	RW - 8	1.47	0.8	RW - 8	1.74	Trace
RW - 9	2	Clean	RW - 9	1.52	Clean	RW - 9	1.57	Clean	RW - 9	1.55	Clean
RW - 10	0.6	Trace	RW - 10	1.36	Clean	RW - 10	1.66	Trace	RW - 10	1.67	Trace
RW - 11	0.68	Clean	RW - 11	1.33	Clean	RW - 11	1.49	Clean	RW - 11	1.5	Clean
RW - 12	0.18	Clean	RW - 12	0.13	Clean	RW - 12	0.01	Clean	RW - 12	0	Clean
RW - 13	0.15	Clean	RW - 13	0.28	Clean	RW - 13	0.6	Clean	RW - 13	0.54	Clean
RW - 14	0.09	Clean	RW - 14	0.02	Clean	RW - 14	0.54	Clean	RW - 14	0.59	Clean
RW - 15	0.68	Clean	RW - 15	1.92	Clean	RW - 15	1.6	Clean	RW - 15	1.84	Clean
RW - 16	0.3	Clean	RW - 16	1.13	Clean	RW - 16	0.99	Clean	RW - 16	0.98	Clean
RW - 17	0.13	Clean	RW - 17	0.03	Clean	RW - 17	0.02	Clean	RW - 17	0	Clean
Recovered Product 1/4 Gallon Install tubing in MW 1			**Recovered Product** Pint			**Recovered Product** 1/4 gallon Install tubing in MW 5			**Recovered Product** Pint		

2008 GROUNDWATER ELEVATIONS & PRODUCT THICKNESS

Date:	2/25/2008		Date:	5/19/2008		Date:	8/6/2008		Date:	11/24/08	
Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness
MW -1	3.38	Trace	MW -1	3.4	Clean	MW -1	3.64	Trace	MW -1	3.96	Clean
MW - 2	2.18	Clean	MW - 2	2.41	Clean	MW - 2	3.6	Clean	MW - 2	3.83	Clean
MW - 3	2.27	Clean	MW - 3	3.02	Clean	MW - 3	2.62	Clean	MW - 3	2.94	Clean
MW - 4	1.89	Clean	MW - 4	2.01	Clean	MW - 4	2.87	Clean	MW - 4	3.07	Clean
MW - 5	0.7	Clean	MW - 5	1.15	Clean	MW - 5	1.99	Clean	MW - 5	2.09	Clean
MW - 6	2.2	Trace	MW - 6	0.4	0.9	MW - 6	2.45	0.86	MW - 6	2.84	0.89
MW - 7	0.8	0.35	MW - 7	1.39	Clean	MW - 7	2.81	0.25	MW - 7	3.11	Clean
MW - 8	1.25	Clean	MW - 8	1.62	Clean	MW - 8	2.88	Clean	MW - 8	3.01	Clean
MW - 9	0.98	Clean	MW - 9	1.71	Clean	MW - 9	3.04	Clean	MW - 9	3.21	Clean
MW - 10	4.04	Clean	MW - 10	4.74	Clean	MW - 10	6.01	Clean	MW - 10	6.37	Clean
MW - 11	5.99	Clean	MW - 11	6.87	Clean	MW - 11	8.38	Clean	MW - 11	8.72	Clean
MW - 12	5.53	Clean	MW - 12	6.15	Clean	MW - 12	6.82	Clean	MW - 12	6.89	Clean
RW - 1	0	Clean	RW - 1	0.21	Clean	RW - 1	2.53	Clean	RW - 1	2.28	Clean
RW - 2	0	Clean	RW - 2	0	Clean	RW - 2	1.54	Clean	RW - 2	1.81	Clean
RW - 3	0.02	Clean	RW - 3	0.2	Clean	RW - 3	1.67	Clean	RW - 3	1.89	Clean
RW - 4	0.98	Trace	RW - 4	1.1	Trace	RW - 4	1.4	0.2	RW - 4	1.96	0.11
RW - 5	1.38	Trace	RW - 5	0.35	Clean	RW - 5	0.65	Trace	RW - 5	1.44	0.15
RW - 6	0	Clean	RW - 6	0.1	Trace	RW - 6	1.02	0.25	RW - 6	1.69	0.1
RW - 7	0	0.37	RW - 7	0.31	0.3	RW - 7	1.3	0.24	RW - 7	1.9	0.16
RW - 8	0.01	0.3	RW - 8	0.85	0.18	RW - 8	1.79	0.2	RW - 8	2.31	0.15
RW - 9	1.96	Clean	RW - 9	1.37	Clean	RW - 9	2.29	Clean	RW - 9	2.53	Clean
RW - 10	0.36	Trace	RW - 10	1.03	Clean	RW - 10	2.03	Clean	RW - 10	2.17	Clean
RW - 11	0.41	Clean	RW - 11	0.97	0.1	RW - 11	2.22	Clean	RW - 11	2.4	Clean
RW - 12	0	Clean	RW - 12	0	Clean	RW - 12	0.86	Clean	RW - 12	0.94	Clean
RW - 13	0.01	Clean	RW - 13	0	Clean	RW - 13	1.01	Clean	RW - 13	1.14	Clean
RW - 14	0	Clean	RW - 14	0	Clean	RW - 14	0.66	Clean	RW - 14	0.71	Clean
RW - 15	0	Clean	RW - 15	0.17	Clean	RW - 15	1.78	Clean	RW - 15	2.06	Clean
RW - 16	0	Clean	RW - 16	0.93	Clean	RW - 16	1.54	Clean	RW - 16	1.79	Clean
RW - 17	0.34	Clean	RW - 17	0	Clean	RW - 17	0.83	Clean	RW - 17	0.97	Clean
Recovered Product 1/4 Gallon Installed tubing in MW 7			**Recovered Product** 1/4 gallon			**Recovered Product** 1/2 gallon			**Recovered Product** 1/2 Gallon		

Alonzo B. Pollard American Legion Auxiliary 225
c/o 422 Cypress Avenue
Hattiesburg, MS 39401
March 8, 2009

Mr. Jerry B. Banks, P.E., DEE Chief
Groundwater Assessment & Remediation Division
Office of Pollution Control
Post Office Box 2261
Jackson, Mississippi 39225-2261

Dear Mr. Banks:

We have received the copy of the Land Use Restrictions and your letter dated February 10, 2009, for the property on which Down Home Cooking was operating. The restaurant has been closed since October of 2007 as a result of the findings of MDEQ. We have received advice from our lawyer that to use the building would make us,The American Legion Auxiliary, liable for any complaints about our food products—for example the ice cubes in water and tea as well as the meals that may be prepared and served there. We cannot afford these potential lawsuits.

Since this property is still contaminated we prefer to be moved to another location that does not have this problem.

Thank you for responding to our request regarding the deed restriction.

Sincerely,

Mrs. Lee Gertha Jackson, President

Mrs. Lee Gertha Jackson, President
American Legion Auxiliary, Post 225

March 2, 2009

Lizzie Hinton
114 Townsend St.
Hattiesburg, MS 39401

Delbert Hosemann
Secretary of State of Mississippi
Po Box 136
Jackson, MS 39205-0136

Dear Mr. Hosemann:

I am a 16th Section Leaseholder and have lived at the above address for a number of years. I respectfully request that you let this letter serve as an official notice to have my property at 114 Townsend Street added to list of properties of concern that you submitted to the Hattiesburg Public School District in a letter from your office dated December 10, 2008. You advised the school district that it was necessary to place deed restrictions on properties that were contaminated with compounds of creosote at levels in excess of the target remediation goals as established by MDEQ.

You advised the school district that this action was necessary in order to protect public health and the environment. My property is adjacent to 116 Townsend, which was escalated on two (2) different occasions. Since that time the City of Hattiesburg employed APEX to conduct an independent assessment. During this round of testing my property was sampled on two (2) different occasions, one sample was behind my home which reflected elevated levels of components of creosote. The data from the second sample have yet to be submitted to the City of Hattiesburg for review. Another sample location was across the street from my home, in an open field area, down-grading from my property, that sample also revealed creosote compounds at levels in access of the target remediation goal established by MDEQ.

I ask that you request from MDEQ a complete written assessment from the independent samples that was performed by APEX for the City of Hattiesburg. It is my understanding that the City has requested that MDEQ and EPA officials review and access the work performed by APEX. We ask that you join the City of Hattiesburg in requesting MDEQ to remove all contamination from the residential area in accordance with the Mississippi Code Ann 49-17-29. Please see attached letter from the City of Hattiesburg.

Sincerely

Lizzie Hinton

Lizzie Hinton

401 MISSISSIPPI STREET
POST OFFICE BOX 136
JACKSON, MISSISSIPPI 39205-0136

STATE OF MISSISSIPPI
SECRETARY OF STATE
DELBERT HOSEMANN

TELEPHONE (601) 359-1350
FACSIMILE (601) 359-1499

February 20, 2009

Dr. Annie P. Wimbish
Superintendent
Hattiesburg Public School District
Post Office Box 1569
Hattiesburg, Mississippi 39403

VIA FACSIMILE 601-582-6666

RE: Kerr-McGee Creosote Clean-up
Northeast Ditch Project
Section 16, Township 4 North, Range 13 West
Forrest County, Mississippi

Dear Dr. Wimbish:

As you are aware, on January 29, 2003, the Hattiesburg School District settled litigation that it had brought against Kerr-McGee Chemical LLC (now "Tronox") for creosote contamination on 16th Section Public School Trust Land under the school district's control. As a condition of the settlement, Tronox instituted a Remedial Action Plan to clean up the property where the former facility was located. Part of the Remedial Action Plan involved what is referred to as the "Northeast Drainage Ditch." This ditch runs in a northeast direction from approximately Scooba Street, crossing Florence Street, Bertha Street, and MLK Avenue.

The Mississippi Department of Environmental Quality ("MDEQ") has stated that the plan is almost complete. To bring this project to completion the MDEQ has asked the Secretary of State and the Hattiesburg School District, as trustees of the 16th Section Land, and Tronox to enter into a restricted use agreement for a parcel of land on which a building was built over the old ditch. The restrictive use agreement is standard in this type of situation where there is potential contamination under a building or "capped site." The building will still be able to be used for its current use as a restaurant operating as Down Home Cooking.

The Secretary of State has signed the restrictive use agreement on the advice of the MDEQ and is recommending that the Hattiesburg School District sign the agreement. A copy of the agreement is attached to this letter. Also attached is a letter from the MDEQ, as the State's expert, explaining that the remediation measures and the restrictions "are consistent with what MDEQ requires at sites across Mississippi when contamination cannot be removed" and "will be

protective of human health and the environment."

The Hattiesburg School District, in its role as trustee of 16th Section School Trust Land, commenced litigation to protect the Trust and recover damages for the creosote contamination. As such, the school district and school board have a duty to see that the Remedial Action Plan is complete. I am requesting that the Hattiesburg School Board authorize you and the school board president to sign the restrictive use agreement.

If you have any questions or need additional information, please call me at (601) 359-6377 or e-mail me at bill.cheney@sos.ms.gov.

Sincerely yours,

William Cheney

WILLIAM G. CHENEY, JR.
Senior Attorney, Public Lands Division

WGC/

Enclosure

cc:

Mrs. Ann Chapman
1008 North 31st Avenue
Hattiesburg, Mississippi 39401

Mr. Roy Furrh
General Counsel
MDEQ
Post Office Box 2261
Jackson, Mississippi 39225-2261

Mr. Tony Russell
MDEQ
Post Office Box 2261
Jackson, Mississippi 39225-2261

Mississippi Department of Environmental Quality

NOTICE OF LAND USE RESTRICTIONS

This Notice of Land Use Restrictions has been developed with regard to property located at Scooba Street as shown in the attached survey plat. This property, hereafter referred to as the "Site," is situated in Section 16, Township 4 North, Range 13 West, Forrest County, Mississippi, and being more particularly described by metes and bounds as follows, to-wit:

A part of Lots 1,2,3 & 4 of Block 3 of the D. D. McInnis Third Survey or Addition to the City of Hattiesburg, Mississippi, and being more particularly described as follows:

Commence at the Northwest corner of said Lot 1 of Block 3 of the D. D. McInnis Third Survey or Addition to the City of Hattiesburg, Mississippi, to and for a Point of Beginning; thence run North 45 degrees 00 minutes 00 seconds East for 64.31 feet, along the Northeast margin line of Eastside Avenue; thence run South 46 degrees 13 minutes 16 seconds East for 11.20 feet, thence run South 44 degrees 46 minutes 56 seconds West for 66.68 feet, to the Northwest margin line of Scooba Street; thence run North 45 degrees 00 minutes 00 seconds West for 111.43 feet, along said Northwest margin line of Scooba Street, back to the Point of Beginning, comprising 0.17 acres.

Commencing at the Northwesterly most corner of the above said Lot 1, Block 3; thence North 45°00' East and along the Southerly margin of Eastside (Hall) Avenue 64.31 feet to the Point of Beginning; thence continue North 45°00' East and along the Southerly margin of said Eastside Avenue 154.76 feet to the Westerly margin of an alley; thence South 45°00'08" East and along the said Westerly margin 199.43 feet (record 200 feet) to the Southerly line of the above said Lot 4; thence South 45°00' West and along said Southerly line 150.68 feet; thence North 46°10'26" West 199.48 feet to the Point of Beginning.

The Restricted Use Areas of the Site are contaminated with creosote compounds at levels in excess of the Target Remediation Goals (TRGs) as established by the Mississippi Department of Environmental Quality (MDEQ). In order to protect public health and the environment, certain restrictions must be placed on the use of the Restricted Areas of the Site.

The following is a listing of all restrictions for the Restricted Areas of the Site:

1. There shall be no excavating, drilling or other activities to depths that could create exposure to contaminated media without approval from MDEQ;
2. The groundwater at the Site shall not be used, unless otherwise approved by MDEQ;
3. No wells shall be installed without prior approval from MDEQ.

Prior to executing any deed or other instrument conveying an interest in the Restricted Areas of the Site, the following conditions must be met:

1. Any conveyance of the Restricted Areas of the property must contain as covenants the restrictions listed above with a statement that the covenants run with the land and continue into perpetuity unless otherwise ordered by the Mississippi Commission on Environmental Quality;
2. Notice must be provided to MDEQ at least 30 days prior to any property transaction involving the Site; and
3. Prior to any change in use of the Site or any portion of the Site, notice shall be given to the MDEQ.

This Notice may be executed in counterparts.

The parties that have a legal or equitable surface interest in the Site follow:

1. Secretary of State, State of Mississippi as 16th Section Public School Trust Lands statutory supervisory trustee
2. Hattiesburg Public School District
3. Tronox, LLC

Tronox, LLC agrees to indemnify, defend, protect and hold the Secretary of State, State of Mississippi as 16th Section Public School Trust Lands statutory supervisory trustee and Hattiesburg Public School District against all claims, demands, causes of action and contentions in connection with the execution of this Notice.

STATE OF MISSISSIPPI

COUNTY OF FORREST

Executed, this the 5th day of November, 2008.

C. Delbert Hosemann, Jr.
Secretary of State
State of Mississippi

STATE OF MISSISSIPPI
COUNTY OF HINDS

Personally appeared before me, the undersigned authority in and for the said county and state, on this the 5th day of November, 2008, within my jurisdiction, the within named, C. Delbert Hosemann, Jr, who acknowledged that he is Secretary of State of the State of Mississippi and that in said representative capacity he executed the above and forgoing instrument for and on behalf of the State of Mississippi, after first having been duly authorized so to do.

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

STATE OF MISSISSIPPI

COUNTY OF FORREST

Executed, this the _____ day of _____, 2008.

_____
President
Hattiesburg Public School District

_____
Superintendent
Hattiesburg Public School District

STATE OF MISSISSIPPI
COUNTY OF FORREST

This day personally appeared before me, the undersigned authority in and for the state and county aforesaid, the within named _____ and _____ who acknowledged that they are School Board President and Superintendent of Schools respectively, of Hattiesburg Public School District, Forrest County, Mississippi, and that for and on behalf of Hattiesburg Public School District, and after being duly authorized by said Hattiesburg Public School District to do so, they executed, signed and delivered the foregoing Notice of Use Restrictions on the day and year therein mentioned and for the purposes therein expressed.

Given under my hand and official seal of office, this the _____ day of _____, 2008.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

COUNTY OF FORREST

Executed, this the 10 day of NOVEMBER, 2008.

H Keith Watson
Tronox, LLC

STATE OF Oklahoma
COUNTY OF Oklahoma

This day personally appeared before me, the undersigned authority in and for the state and county aforesaid, the within named H. Keith Watson, who acknowledged that he is Project Manager of Tronox, LLC, a Delaware limited liability company, and that for and on behalf of said limited liability company, and after being duly authorized by said corporation to do so, he executed, signed and delivered the foregoing Notice of Use Restrictions on the day and year therein mentioned and for the purposes therein expressed.

Given under my hand and official seal of office this the 10 day of November, 2008.

PENELOPE CHEATHAM NOTARY PUBLIC # 99019123 EXP. 11/24/11 STATE OF OKLAHOMA

Penelope Cheatham
NOTARY PUBLIC

MY COMMISSION EXPIRES: 11/24/11

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

October 21, 2008

Secretary of State Delbert Hosemann
Mississippi Secretary of State
P. O. Box 136
Jackson, MS 39205-0136

Re: Notice of Use Restrictions for Bevon Property, Northeast Drainage Ditch
Gulf States Creosote Site
Hattiesburg, Mississippi

Dear Secretary Hosemann:

As you are aware, the Mississippi Department of Environmental Quality (MDEQ), the Mississippi Secretary of State's Office (MSOS), and other parties involved in the above referenced matter have been working toward closure of the Northeast Drainage Ditch remediation portion of the Gulf States Creosote remediation project. After a great deal of work by all parties involved, MDEQ is prepared to formally close the matter.

The Northeast Drainage Ditch has been remediated to the satisfaction of the MDEQ. A portion of the concrete culvert beneath two buildings on the Bevon Property could not be removed and was therefore filled with cement. In situations where contamination can not be removed, it can be capped in place and use restrictions placed on the property. These actions are consistent with what MDEQ requires at sites across Mississippi when contamination can not be removed. The cap and use restrictions will be protective of human health and the environment for future use.

If you have any questions or would like to discuss this matter further, please feel free to contact Mr. Jerry Banks. I appreciate the support and assistance of your agency as we have worked through this process and look forward to the continued collaboration with your agency.

Sincerely,

Trudy Fisher
Executive Director

cc: Bill Cheney, Jr., Esq.
Jerry Banks, P.E.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

February 19, 2009

Mrs. Lee Gerta Jackson
422 Cypress Avenue
Hattiesburg, MS 39401

RE: Deed Restriction

Dear Mrs. Jackson:

Pursuant to your request and conversation with Ms. Alice Perry today, enclosed is a copy of the Notice of Land Use Restriction for the property on which Down Home Cooking is operating. You will note on the letter from the Secretary of State's office to the Hattiesburg School District that the property can still be used as a restaurant with the restrictions in place. The placing of the land use restriction on the property is being handled by the Secretary of State's office since it is 16th Section land held in trust by them. As of this date we have not received documentation from the Secretary of State that the land use restriction has been finalized for this property.

Mr. Sherry Jones just stopped by our office and I have also given him a copy of the information that I am enclosing for you.

If you have further questions, please feel free to contact me of Ms. Alice Perry.

Sincerely,

Jerry B. Banks, P.E., DEE
Chief, Groundwater Assessment & Remediation Division

Enclosure

JOHNNY L. DUPREE, PH.D.
MAYOR

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	Deborah Denard Delgado	Carter Carroll	Dave J. Ware, II	Henry Naylor

February 13, 2009

Ms. Trudy Fisher, Executive Director
Mississippi Department of Environmental Quality
Post Office Box 2261
Jackson, Mississippi 39225

RE: Gulf States Creosote Remediation – 522 Eastside Avenue

Dear Ms. Fisher:

As Mayor, my primary objective is to ensure the safety and welfare of Hattiesburg's citizens. The Gulf States Creosote site remediation continues to be of concern to this office as well as various community groups. The remediation process included initial site assessments, the implementation of an agreed order, the development of a remediation work plan, a series of settlements with affected parties, and the actual physical remediation of the impacted areas. At the conclusion of this remediation process, it is logical to assume that in accordance with its statutory authority, MDEQ has taken every measure to guarantee the safety of citizens living and working in or near the contaminated site.

The City of Hattiesburg's tangential involvement in the actual remediation process included obtaining easements needed to complete remediation and/or improvements to the Northeast Drainage Ditch. However, the City was not a party to the EPA/MDEQ site assessments, the Agreed Order, the settlement agreements or the development of the remediation work plan. In any event, our objective is to ensure that a complete and thorough remediation has taken place. Recently some concerns have been raised about an area behind a building located at 522 Eastside Avenue commonly known as "Down Home Cooking. This area was not excavated during the remediation process, is not underneath a structure and does not have a liner prohibiting the movement of the contamination. The City is requesting that MDEQ take the necessary measures to completely remediate this site in accordance with Mississippi Code Ann. 49-17-29 which does not allow for waste to be placed or remain in a location that will cause pollution of any waters of the state.

Should you have questions, please give me a call at (601) 545-4501.

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/ft

Copy: Tony Russell
Bennie Sellers
Franklyn L. Tate
FCEST

Telephone (601) 545-4501 • Fax (601) 545-4608
Email mayor@hattiesburgms.com • Website www.hattiesburgms.com

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO:	**Gulf States Creosote Site File Hattiesburg, MS**
FROM:	**Tony Russell** 2/6/09
DATE:	**February 6, 2009**
SUBJECT:	**Annual GW Sampling Event**

I met with David Upthegrove (Michael Pisanti & Associates) on Monday February 2, 2009 at the site to discuss sampling event to be conducted this week at the Gulf States Creosote Site. Dicky Allison (Tronox) & Steve Luton (MPA) were onsite taking water levels from the wells prior to beginning the sampling. Franklyn Tate (City) and Mr. Brazale were both notified that the event was being conducted.

Wednesday – Feb 4 – I met with Dicky and Steve to observe and split GW samples during the annual sampling event in the residential area. The wells were purged with peristaltic pump using the low purge method. Once the well was purged a minimum of two gallons of water and the stabilization parameters has stabilized, the groundwater samples were collected using the peristaltic pump. I collected splits on MW-18 and MW-8 for PAH analysis only. Tronox also collected geochemical parameters at each sample location.

Thursday – Feb 5 – GW sampling event continued for the residential area. I collected a split from MW-9. The purge and sample procedures were the same as for previous wells.

The split samples will be delivered to the OPC lab in Pearl, MS for PAH analysis. Photos were taken during this sampling event at MW-8 location and are attached to this memo.

Gulf States Creosote Sampling Event - Hattiesburg, Ms
Feb 4, 2009 MW-8 Location @ Corner of E. Scobe St & Francis Ave.

Low Flow Sampling Procedures Demonstrated

"Dave Upthegrove" <dupthegrove@ix.netcom.com>

01/28/2009 09:14 AM

To "Franklyn Tate" <ftate@hattiesburgms.com>

cc <Tony_Russell@deq.state.ms.us>, "'Watson, Keith'" <Keith.Watson@tronox.com>, "'Allison, Dickie'" <Dickie.Allison@tronox.com>, "'Steven Luton'"

bcc

Subject Hattiesburg Ground Water Sampling

History: This message has been replied to.

Franklyn:

Representatives for Tronox will be conducting ground water sampling next week at the former Gulf States Creosoting site in Hattiesburg. MDEQ will be present to observe and collect split samples during sampling conducted on the east side (i.e., the mostly residential side) of the NSRR tracks. Sampling activities will begin around noon on Monday and be completed sometime Thursday. Should you need any additional information, please call me.

Regards,

Dave

David C. Upthegrove
Michael Pisani & Associates, Inc.
13313 Southwest Freeway, Suite 221
Sugar Land, Texas 77478
(281) 242-5700 (office)
(281) 242-1737 (fax)
(504) 481-6470 (cell)
dupthegrove@ix.netcom.com

"Dave Upthegrove"
<dupthegrove@ix.netcom.com>
01/28/2009 11:38 AM

To <kbrazile115@comcast.net>
cc <Tony_Russell@deq.state.ms.us>, "'Watson, Keith'" <Keith.Watson@tronox.com>
bcc
Subject Ground Water Sampling Event

Mr. and Mrs. Brazile:

Next week, representatives for Tronox will be conducting ground water sampling at the former Gulf States Creosoting site in Hattiesburg. MDEQ will be present to observe and collect split samples during sampling. Sampling activities will begin around noon on Monday and be completed sometime Thursday. During this time, we will need to access the well located on your lease near the corner of Scooba St. and Francis St.

As we discussed in December, Tronox will provide you with a copy of the results of laboratory tests performed on samples from the well on your lease. Should you have any questions or need additional information, please call me at either of the numbers in the signature block below.

Regards,

Dave

David C. Upthegrove
Michael Pisani & Associates, Inc.
13313 Southwest Freeway, Suite 221
Sugar Land, Texas 77478
(281) 242-5700 (office)
(281) 242-1737 (fax)
(504) 481-6470 (cell)
dupthegrove@ix.netcom.com

Tony Russell/HW/OPC/DEQ
01/21/2009 04:44 PM

To ftate@hattiesburgms.com
cc Jerry Banks/HW/OPC/DEQ@DEQ, Alice Perry/Admin/DEQ@DEQ
bcc
Subject Re: downhomecooking

FILE COPY

Franklyn,

I am writing in response to the attached email, our previous discussion by phone and the downhome cooking site visit.

MDEQ does not require a building to be torn down, if there is no exposure pathway for contaminants of concern. We are not dealing with a volatile, so there are no indoor air concerns. Based on the removal of the contamination in front of and behind the American Legion building, there is very little contamination in place. As stated during previous discussions, contamination is approximately three feet below ground surface beneath a two foot diameter concrete drainage pipe filled with a sand/cement mixture. The concrete drainage pipe was installed after Gulf States Creosote ceased operating as no creosote was detected inside the drainage pipe that was removed from Eastside Avenue area or the Woods property.

MDEQ did not require the small area between the buildings to be remediated because of all the utilities (sewer lines and overhead phone lines) in the area. The main reason being there was not sufficient room to get equipment in the area without jeopardizing the integrity of the buildings' foundations.

The Bevon property will soon be under a restrictive use agreement. No one can dig or remove any portion of a building or tree that extends into the ground without MDEQ approval. There is no exposure route either with the buildings in place or after they have been removed. Therefore, MDEQ will not require any further remediation at this time.

Tony Russell
Assessment Remediation Branch Chief
Mississippi Department of Environmental Quality
P. O. Box 2261
Jackson, MS 39225

Physical address:
515 East Amite Street (39201)

Phone 601-961-5318
Fax 601-961-5300

"Tate, Franklyn" <ftate@hattiesburgms.com>

"Tate, Franklyn"
<ftate@hattiesburgms.com>
01/15/2009 10:58 AM

To <tony_russell@deq.state.ms.us>
cc
Subject downhomecooking

As we discussed earlier, there is a small area directly behind Down Home Cooking that was not excavated during the remediation process. It is my understanding that there is creosote under the ground approximately three feet underneath and 24 inch pipe. Please reiterate (1) Why this area was not excavated and the creosote removed, (2) Whether there is any ongoing health treat as a result, (3) and Whether MDEQ would be willing to come back in and address the area through some additional remediation.

I will look forward to your response.

Franklyn

TRONOX

January 12, 2009

Mr. Tony Russell
Mississippi Dept. of Environ. Quality
Office of Pollution Control
P.O. Box 2261
Jackson, Ms 39225

Re: Gulf States Creosote, Hattiesburg MS - Tronox LLC bankruptcy information

Dear Mr. Williams:

I want to let you know about an important action Tronox has taken in order to address legacy liabilities, restructure the balance sheet and position the company for long-term success.

Today, Tronox and certain of its subsidiaries filed for relief under Chapter 11 of the U.S. Bankruptcy Code. This action will allow us to address our debt issues while continuing normal operations. The filing does not include the company's operations outside of the U.S.

First and foremost, **Tronox is not going out of business.** We will continue to provide high quality products and unparalleled service to our customers.

The company has taken steps to ensure continued supply of goods and services to its customers. In that regard, Tronox has received a commitment for up to $125 million in new debtor-in-possession (DIP) financing from our existing lending group led by Credit Suisse. Access to this financing, which requires court approval, means Tronox has the ability to pay employees and suppliers in the ordinary course of business going forward.

In addition, you can be assured that Tronox will continue to comply with applicable state and federal regulations and court orders.

If you have questions or concerns, please contact your regular Tronox contact. We have also set up a restructuring area on the company's website, www.tronox.com, which contains access to court documents and other information regarding the Chapter 11 proceedings. Additionally, we have established a restructuring information hotline at 1-866-775-5009 or you can e-mail restructuring@tronox.com.

Attached is the news release that we issued. We will do our best to keep you informed of developments relating to our progress.

Sincerely,

Pat Corbett
Vice President of Safety and Environmental Affairs

hattiesburgamerican.com

January 12, 2009

Tronox files for bankruptcy protection

OKLAHOMA CITY (AP) — Tronox Inc. said Monday it filed for Chapter 11 bankruptcy protection as it looks to reorganize its operations and alleviate legacy liabilities.

The filing includes Tronox and some of its operating subsidiaries. Tronox's non-U.S. operations in Australia, Germany and the Netherlands were not part of the filing.

Oklahoma City-based Tronox filed for bankruptcy protection to address legacy liabilities it incurred when it was spun off from former parent Kerr-McGee Corp. in 2006. The liabilities, which Tronox said are an obstacle to financial stability, include environmental remediation and litigation costs.

Several Hattiesburg business owners in a 1996 lawsuit accused Tronox's former Kerr-McGee plant of contaminating the neighborhood near Courtesy Ford on Pine Street.

The lawsuit was later settled and more than 13,000 tons of contaminated soil was removed by Mississippi Department of Environmental Quality.

But residents in the area argued that the pollutant was still present and remains a threat to their quality of life.

Tronox, which manufactures pigments used in paint and other materials, said it will continue operations as usual amid the restructuring period. Tronox obtained a commitment for up to $125 million in debtor-in-possession financing from its existing creditors. The financing provides Tronox the liquidity it needs to continue operating normally.

Tronox, which employs 200 people in Oklahoma City, and 1,800 companywide, does not anticipate any layoffs.

hattiesburgamerican.com

January 13, 2009

Tronox files for Chapter 11 bankruptcy

By EMMA JAMES

The owner of the former Kerr-McGee chemical plant filed for bankruptcy protection Monday in a move that could affect efforts to clean up creosote-contaminated neighborhoods in Hattiesburg.

The Oklahoma-based company said Monday it filed for Chapter 11 protection as it looks to reorganize its operations and alleviate legacy liabilities.

The decision came as no surprise to Foxworth resident Sherri Jones, leader of the Forrest County Environmental Support Team, a grassroots organization that has led the campaign for Tronox to clean up creosote contamination in a south Hattiesburg neighborhood.

"The oil side of Kerr-McGee knew when they created Tronox that the company would go under because they didn't have enough assets to continue because of the liability," Jones said.

The company said it filed bankruptcy to address liabilities it incurred when it was spun off from former parent Kerr-McGee Corp. in 2006. The liabilities, which Tronox said are an obstacle to financial stability, include environmental remediation and litigation costs.

The manufacturer of pigments used in paint and other materials said it will continue operations as usual amid the restructuring period. Tronox obtained a commitment for up to $125 million in debtor-in-possession financing from its existing creditors. The financing provides Tronox the liquidity it needs to continue operating normally.

Tronox, which employs 200 people in Oklahoma City, and 1,800 companywide, does not anticipate any layoffs.

Local controversy

Tronox has been at the center of controversy in a south Hattiesburg neighborhood that believes a creosote cleanup operation led by the company and the Mississippi Department of Environmental Quality did not remove the chemical from the neighborhood.

The former Gulf States operated a plant where Pine Street currently runs from the 1930s to about 1960. Kerr-McGee eventually bought Gulf States' parent company and as a result of lawsuits that spanned the 1990s assumed liability, although they never actually operated a creosoting plant in Hattiesburg.

Bennie Sellers, Hattiesburg director of public Services, said that Tronox officials asked that annual testing procedures be pushed back by a couple of days.

"Those obligations should be fulfilled," Sellers said. "I feel that they will complete the testing, but that they'll do it with an adjusted time frame."

Sellers said the testing is part of a routine procedure required by the Environmental Protection

Agency and MDEQ whenever soil contamination occurs in order to monitor chemical levels in the water table.

"They have wells around the city. Basically, they drop a probe in the water to see the level of contamination and read it on an annual basis," he said. "We've seen a decrease in contamination levels in the last few years. If those levels go up, that means there's something else going on."

Sellers said delaying annual testing by a few days or even weeks would not have adverse affects on the Hattiesburg community.

Tronox has spent nearly $2 million in the neighborhood to remove creosote from the path of one drainage ditch and replace it with a covered concrete culvert system. The company also settled claims of between 1,300 and 2,000 residents and have relocated at least two families from their homes.

A company hired by the city in 2008 determined there was not a dangerous level of creosote contamination in the south Hattiesburg neighborhood.

Conflicting reports

That report by Apex Environmental Consultants didn't jibe with testing done by Troubleshooters Inc. of Jackson, which was hired by FCEST.

Tennie White, president of Troubleshooters Inc., told the city council that trace amounts of creosote discovered in groundwater samples pose a danger to residents.

White also claimed that Apex did not follow standard protocol during lab testing and produced "watered-down" results that downplayed the risk.

The fate of Tronox will ultimately have little effect on residents, Jones said.

"We're concerned with the MDEQ and EPA," he said. "The creosote is still there. We're going to make sure that the right thing is done."

The Associated Press contributed to this story.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
West Pine Street – Fairchild Lease
Crystal Springs, MS

FROM: Tony Russell

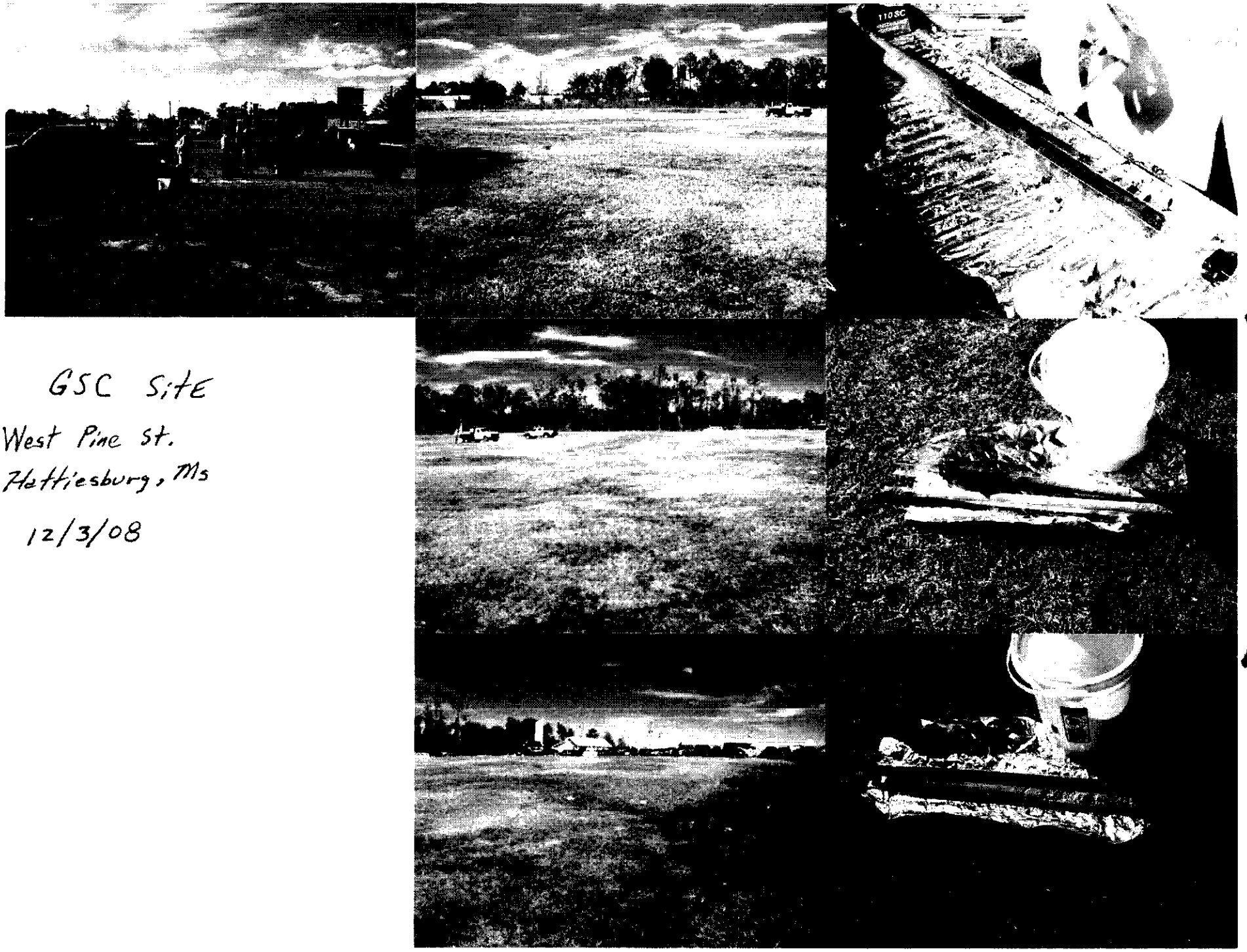
DATE: December 4, 2008

SUBJECT: Soil Assessment Conducted December 3, 2008

The Fairchild Lease was assessed to determine if any contaminates were present in the shallow soils. Two samples collected from the property several years ago detected low levels of creosote compounds in the soil. A grid system was used to determine the sampling locations. A total of 15 sampling locations were established using the grid system. A geoprobe rig was used to collect the samples at each sample location. A four foot core barrel was used to collect the samples down to a depth of 6 feet. Discreet soil samples were collected from the 0 to 2, 2 to 4 and 4 to 6 foot interval.

I collected split on sample location FS-6 at 1002 and sample location FS-9 at 1250 from the 0 to 2 foot interval. The samples will be analyzed for PAHs at the OPC lab in Pearl.

Photos were taken during the sampling event and are attached.



GSC Site

West Pine St.

Hattiesburg, Ms

12/3/08

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

January 6, 2009

Tronox LLC
Attn: Keith Watson
P. O. Box 268859
Oklahoma City, OK 73126-8829

Re: Voluntary Evaluation Program Account Balances,
Administrative Order 5503 08

Dear Mr. Watson:

Enclosed please find a copy of Administrative Order 5503 08 which was issued on December 18, 2008. The Order will allow the Department to apply the existing account balance to future invoices related to each respective site. Should you have any questions or comments pertaining to this Order please direct them to Mona Varner at (601) 961-5572.

Sincerely,

A. Bryan Smith, III
Senior Attorney
Mississippi Department of Environmental Quality

ABS:lmj

Enclosure

cc: Mona Varner
Tony Russell

BEFORE THE MISSISSIPPI COMMISSION
ON ENVIRONMENTAL QUALITY

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY — COMPLAINTANT

In Re: VOLUNTARY EVALUATION PROGRAM
ACCOUNT BALANCES

ORDER NO. 5509 08

AIR LIQUIDE USA, LLC
PECO FOODS
CHEVRON ENVIRONMENTAL MANAGEMENT
CORPORATE CAPITAL, LLC
EKA CHEMICALS, INC
ENPRO INDUSTRIES
FARMER'S SUPPLY CO-OP
FIRST ENVIRONMENT
HANCOCK BANK OF GULFPORT
HELMITIN, INC
INTIER SEATING
MISSISSIPPI POWER COMPANY
MTD PRODUCTS, INC
PLANTATION PIPELINE COMPANY
TENNECO AUTOMOTIVE
TIMBER PRODUCTS COMPANY
TRONOX, LLC
URS CORPORATION

ORDER

The above captioned matter came before the Executive Director of the Mississippi Department of Environmental Quality (MDEQ) this day for ex parte consideration under the authority of Miss. Code Ann. § 49-2-13 (Rev. 2003), and the Executive Director, having heard and considered the evidence therein, and having determined that an Administrative Order should issue prefatory to any evidentiary hearing and without making any final adjudication of fact or law, finds as follows:

1.

The Voluntary Evaluation Program ("VEP") is a program administered by MDEQ which allows participants to voluntarily remediate their site with MDEQ oversight. Currently, the account has an advanced balance of $33,820.00. This balance represents funds deposited by each listed Respondent to assess, remediate and/or perform necessary work on the respective site in order to bring it into full compliance with the applicable laws of the State of Mississippi and the rules and regulations of the Mississippi Commission on Environmental Quality.

2.

Each participant in the VEP has an advance balance in the VEP account that was created as each participant entered the VEP program. The participants in the VEP program continue to incur expenses in participating in the VEP program that are billed to them monthly by MDEQ.

3.

MDEQ shall have the authority and right to apply any remaining balance as of January 1, 2009, for each respective Respondent related to each Respondent's future invoices in the VEP fund applicable to Administrative Orders: 3658-98; 4323-00; 3388-97; 3697-98; 3667-98; 3482-97; 3680-98; 3681-98; 3682-98; 3746-98; 3359-96; 3699-98; 3826-99; 3755-99; 3460-97; 3733-98; 3381-97; and 3383-99.

4.

If aggrieved by this Order, Respondent may request a hearing before the Commission by filing a sworn petition with the Commission within thirty (30) days after the date of this Order in the manner set forth in Miss. Code Ann. § 49-17-41 (Rev. 2003).

ORDERED, this the 18 day of December, 2008.

MISSISSIPPI COMMISSION ON
ENVIRONMENTAL QUALITY

BY: _____
TRUDY D. FISHER
EXECUTIVE DIRECTOR
MISSISSIPPI DEPARTMENT
OF ENVIRONMENTAL
QUALITY

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
SAM NUNN ATLANTA FEDERAL CENTER
61 FORSYTH STREET, S.W.
ATLANTA, GEORGIA 30303

December 22, 2008

FILE COPY

Mayor Johnny L. DuPree, Ph.D.
City of Hattiesburg
P.O. Box 1898
Hattiesburg, Mississippi 39403-1898

Dear Mayor DuPree:

Thank you for your November 20, 2008 letter concerning site investigation activities at property located in Ward 5 of the City of Hattiesburg. On July 17, 2008, the Mississippi Department of Environmental Quality (MDEQ) responded to a similar request from you. The U.S. Environmental Protection Agency (EPA) supports MDEQ's conclusions and the position that the areas in question have been appropriately remediated and do not pose a threat to human health and the environment.

The MDEQ conducted a Preliminary Assessment for the U.S. Environmental Protection Agency (EPA) under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) in 1990, and a Site Inspection, which included sampling, in 1991. Based on this investigation, EPA determined that no long-term remedial action under CERCLA was necessary. Therefore, under its own authorities, the MDEQ has provided oversight for addressing contamination in Ward 5 since the late 1990's.

In 2003, MDEQ entered into a consent order with Tronox, for a voluntary cleanup of the former Gulf States Creosoting site in Hattiesburg, MS. Tronox is the successor to Kerr-McGee Chemical Corporation, who purchased the assets and liabilities of Gulf States Creosoting Company in 1964. Cleanup levels protective of human health and the environment were established in the risk assessment for the different exposure scenarios. On the former process area, where contamination had been left in place, use restrictions were added to the property to restrict well installation and digging. The remediation also included areas in a residential neighborhood along the northeast drainage ditch. According to Tony Russell, Assessment and Remediation Branch Chief, MDEQ, the final portion of the remedial work in the residential neighborhood was completed April 23, 2007, and confirmation samples were taken. No further remedial work is expected in the residential neighborhood. MDEQ completed its oversight of the remediation of the contaminated areas in July 2007 except for annual monitoring of the groundwater in the area to ensure biodegradation continues. EPA does not oversee states' voluntary cleanup programs, but does provide technical assistance to the state upon request. MDEQ has coordinated extensively with EPA concerning the risk assessment and other portions of the investigation and remediation, including determining appropriate cleanup goals. EPA is in agreement with MDEQ that the remediation was conducted in such a manner to be protective of human health and the environment and the formerly contaminated areas do not pose a threat to human health or the environment.

If you have questions or need additional information from EPA, please contact me or the Region 4 Office of Congressional and Intergovernmental Relations at (404) 562-8327.

Sincerely,

Dawn C. Taylor

Dawn C. Taylor, Chief
Superfund Site Evaluation Section

cc: Jerry Banks, MDEQ

401 MISSISSIPPI STREET
POST OFFICE BOX 136
JACKSON, MISSISSIPPI 39205-0136

STATE OF MISSISSIPPI
SECRETARY OF STATE
DELBERT HOSEMANN

TELEPHONE (601) 359-1350
FACSIMILE (601) 359-1499

December 10, 2008

Mr. Percy W. Watson, Esquire
Post Office Box 1767
Hattiesburg, Mississippi 39403-1767

VIA FACSIMILE 601-582-4293

RE: Kerr-McGee/Tronox

Dear Mr. Watson:

Attached hereto is a draft letter to the Hattiesburg School District requesting that the School Board authorize the superintendent and school board president to sign a restricted use agreement, a copy of which is also attached. As noted in the letter to Dr. Wimbish, the restrictive use agreement covers a parcel of land on which a building was built over the old site of the "Northeast Drainage Ditch," as it is called in the Kerr-McGee Remedial Action Plan. The building is currently being used as a restaurant operating as Down Home Cooking.

The Secretary of State has signed the restrictive use agreement on the advice of the MDEQ and is recommending that the Hattiesburg School District sign the agreement. I have also enclosed a copy of a letter from the MDEQ, as the State's expert, explaining that the remediation measures and the restrictions "are consistent with what MDEQ requires at sites across Mississippi when contamination cannot be removed" and "will be protective of human health and the environment."

As lawyer for the Hattiesburg School District I wanted to provide you with a copy of the draft letter and restrictive use agreement prior to its mailing. If you have any questions or need additional information, please call me at (601) 359-6377 or e-mail me at bill.cheney@sos.ms.gov.

Sincerely yours,

William Cheney

WILLIAM G. CHENEY, JR.
Senior Attorney, Public Lands Division

WGC/

cc:

Mr. Tony Russell
MDEQ
Post Office Box 10385
Jackson, Mississippi 39289-0385

Enclosures

401 MISSISSIPPI STREET
POST OFFICE BOX 136
JACKSON, MISSISSIPPI 39205-0136

STATE OF MISSISSIPPI
SECRETARY OF STATE
DELBERT HOSEMANN

TELEPHONE (601) 359-1350
FACSIMILE (601) 359-1499

DRAFT

December 10, 2008

Dr. Annie P. Wimbish
Superintendent
Hattiesburg Public School District
Post Office Box 1569
Hattiesburg, Mississippi 39403

VIA FACSIMILE 601-582-6666

RE: Kerr-McGee Creosote Clean-up
Northeast Ditch Project
Section 16, Township 4 North, Range 13 West
Forrest County, Mississippi

Dear Dr. Wimbish:

As you are aware, on January 29, 2003, the Hattiesburg School District settled litigation that it had brought against Kerr-McGee Chemical LLC (now "Tronox") for creosote contamination on 16th Section Public School Trust Land under the school district's control. As a condition of the settlement, Tronox instituted a Remedial Action Plan to clean up the property where the former facility was located. Part of the Remedial Action Plan involved what is referred to as the "Northeast Drainage Ditch." This ditch runs in a northeast direction from approximately Scooba Street, crossing Florence Street, Bertha Street, and MLK Avenue.

The Mississippi Department of Environmental Quality ("MDEQ") has stated that the plan is almost complete. To bring this project to completion the MDEQ has asked the Secretary of State and the Hattiesburg School District, as trustees of the 16th Section Land, and Tronox to enter into a restricted use agreement for a parcel of land on which a building was built over the old ditch. The restrictive use agreement is standard in this type of situation where there is potential contamination under a building or "capped site." The building will still be able to be used for its current use as a restaurant operating as Down Home Cooking.

The Secretary of State has signed the restrictive use agreement on the advice of the MDEQ and is recommending that the Hattiesburg School District sign the agreement. A copy of the agreement is attached to this letter. Also attached is a letter from the MDEQ, as the State's expert, explaining that the remediation measures and the restrictions "are consistent with what MDEQ requires at sites across Mississippi when contamination cannot be removed" and "will be

DRAFT

protective of human health and the environment."

The Hattiesburg School District, in its role as trustee of 16th Section School Trust Land, commenced litigation to protect the Trust and recover damages for the creosote contamination. As such, the school district and school board have a duty to see that the Remedial Action Plan is complete. I am requesting that the Hattiesburg School Board authorize you and the school board president to sign the restrictive use agreement.

If you have any questions or need additional information, please call me at (601) 359-6377 or e-mail me at bill.cheney@sos.ms.gov.

Sincerely yours,

DRAFT

WILLIAM G. CHENEY, JR.
Senior Attorney, Public Lands Division

WGC/

cc:

Mr. Clyde Bryant
500 Broadway Drive
Hattiesburg, Mississippi 39401
VIA FACSIMILE 601-582-6666

Mr. Roy Furrh
General Counsel
MDEQ
Post Office Box 2261
Jackson, Mississippi 39225-2261
VIA FACSIMILE 601-354-6965

Mr. Tony Russell
MDEQ
Post Office Box 2261
Jackson, Mississippi 39225-2261
VIA FACSIMILE 601-961-5300

NOTICE OF LAND USE RESTRICTION

This Notice of Land Use Restrictions has been developed with regard to property located at Scooba Street as shown in the attached survey plat. This property, hereafter referred to as the "Site," is situated in Section 16, Township 4 North, Range 13 West, Forrest County, Mississippi, and being more particularly described by metes and bounds as follows, to-wit:

A part of Lots 1,2,3 & 4 of Block 3 of the D. D. McInnis Third Survey or Addition to the City of Hattiesburg, Mississippi, and being more particularly described as follows:

Commence at the Northwest corner of said Lot 1 of Block 3 of the D. D. McInnis Third Survey or Addition to the City of Hattiesburg, Mississippi, to and for a Point of Beginning; thence run North 45 degrees 00 minutes 00 seconds East for 64.31 feet, along the Northeast margin line of Eastside Avenue; thence run South 46 degrees 13 minutes 16 seconds East for 11.20 feet, thence run South 44 degrees 46 minutes 56 seconds West for 66.68 feet, to the Northwest margin line of Scooba Street; thence run North 45 degrees 00 minutes 00 seconds West for 111.43 feet, along said Northwest margin line of Scooba Street, back to the Point of Beginning, comprising 0.17 acres.

Commencing at the Northwesterly most corner of the above said Lot 1, Block 3; thence North 45°00' East and along the Southerly margin of Eastside (Hall) Avenue 64.31 feet to the Point of Beginning; thence continue North 45°00' East and along the Southerly margin of said Eastside Avenue 154.76 feet to the Westerly margin of an alley; thence South 45°00'08" East and along the said Westerly margin 199.43 feet (record 200 feet) to the Southerly line of the above said Lot 4; thence South 45°00' West and along said Southerly line 150.68 feet; thence North 46°10'26" West 199.48 feet to the Point of Beginning.

The Restricted Use Areas of the Site are contaminated with creosote compounds at levels in excess of the Target Remediation Goals (TRGs) as established by the Mississippi Department of Environmental Quality (MDEQ). In order to protect public health and the environment, certain restrictions must be placed on the use of the Restricted Areas of the Site.

The following is a listing of all restrictions for the Restricted Areas of the Site:

1. There shall be no excavating, drilling or other activities to depths that could create exposure to contaminated media without approval from MDEQ;
2. The groundwater at the Site shall not be used, unless otherwise approved by MDEQ;
3. No wells shall be installed without prior approval from MDEQ.

Prior to executing any deed or other instrument conveying an interest in the Restricted Areas of the Site, the following conditions must be met:

1. Any conveyance of the Restricted Areas of the property must contain as covenants the restrictions listed above with a statement that the covenants run with the land and continue into perpetuity unless otherwise ordered by the Mississippi Commission on Environmental Quality;
2. Notice must be provided to MDEQ at least 30 days prior to any property transaction involving the Site; and
3. Prior to any change in use of the Site or any portion of the Site, notice shall be given to the MDEQ.

This Notice may be executed in counterparts.

The parties that have a legal or equitable surface interest in the Site follow:

1. Secretary of State, State of Mississippi as 16th Section Public School Trust Lands statutory supervisory trustee
2. Hattiesburg Public School District
3. Tronox, LLC

Tronox, LLC agrees to indemnify, defend, protect and hold the Secretary of State, State of Mississippi as 16th Section Public School Trust Lands statutory supervisory trustee and Hattiesburg Public School District against all claims, demands, causes of action and contentions in connection with the execution of this Notice.

COUNTY OF FORREST

Executed, this the 5th day of November, 2008.

C. Delbert Hosemann, Jr.
Secretary of State
State of Mississippi

STATE OF MISSISSIPPI
COUNTY OF HINDS

Personally appeared before me, the undersigned authority in and for the said county and state, on this the 5th day of November, 2008, within my jurisdiction, the within named, C. Delbert Hosemann, Jr, who acknowledged that he is Secretary of State of the State of Mississippi and that in said representative capacity he executed the above and forgoing instrument for and on behalf of the State of Mississippi, after first having been duly authorized so to do.

NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

COUNTY OF FORREST

Executed, this the _____ day of _____, 2008.

_____
President
Hattiesburg Public School District

_____
Superintendent
Hattiesburg Public School District

STATE OF MISSISSIPPI
COUNTY OF FORREST

This day personally appeared before me, the undersigned authority in and for the state and county aforesaid, the within named _____ and _____ who acknowledged that they are School Board President and Superintendent of Schools respectively, of Hattiesburg Public School District, Forrest County, Mississippi, and that for and on behalf of Hattiesburg Public School District, and after being duly authorized by said Hattiesburg Public School District to do so, they executed, signed and delivered the foregoing Notice of Use Restrictions on the day and year therein mentioned and for the purposes therein expressed.

Given under my hand and official seal of office, this the _____ day of _____, 2008.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

COUNTY OF FORREST

Executed, this the 10 day of NOVEMBER, 08.

A Keith Watson
Tronox, LLC

STATE OF Oklahoma

COUNTY OF Oklahoma

This day personally appeared before me, the undersigned authority in and for the state and county aforesaid, the within named A. Keith Watson, who acknowledged that he is Project Manager of Tronox, LLC, a Delaware limited liability company, and that for and on behalf of said limited liability company, and after being duly authorized by said corporation to do so, he executed, signed and delivered the foregoing Notice of Use Restrictions on the day and year therein mentioned and for the purposes therein expressed.

Given under my hand and official seal of office this the 10 day of November, 2008.

PENELOPE CHEATHAM NOTARY #99019123 EXP. 11/24/11 PUBLIC STATE OF OKLAHOMA

Penelope Cheatham
NOTARY PUBLIC

MY COMMISSION EXPIRES: 11/24/11

"Dave Upthegrove" <dupthegrove@ix.netcom.com>

12/05/2008 04:21 PM

To "Tony Russell" <tony_russell@deq.state.ms.us>

cc "Keith Watson" <keith.watson@tronox.com>, "Brad Blalock" <bmblalock@ix.netcom.com>

bcc

Subject Annual Ground Water Sampling Event - Gulf States Creosoting

History: This message has been replied to and forwarded.

Tony:

Per our discussions, scheduling conflicts make it difficult to impossible to conduct the 2008 ground water monitoring event in December 2008. We have agreed to perform the event during the week of January 12, 2008. Brad will mobilize to the site on the morning of the 12th and begin gauging water levels and sampling around mid-day. If you need to reach him, Brad's cell # is 225-603-4788. As you requested, we will order enough sample containers for you to split samples at two wells.

Also, we have been granted permission by the City to demolish the residence at 106 Scooba Street. We will be performing that work from December 17-19, weather permitting. While in Hattiesburg, we will be sure to notify the leaseholder of the property at the corner of Scooba and Frances Street of our intention to sample the well on his lease in January.

Thanks again for working with us regarding the sampling schedule. Should you have any questions or need additional information, please contact me.

Regards,

Dave

David C. Upthegrove
Michael Pisani & Associates, Inc.
13313 Southwest Freeway, Suite 221
Sugar Land, Texas 77478
(281) 242-5700 (office)
(281) 242-1737 (fax)
(504) 481-6470 (cell)
dupthegrove@ix.netcom.com

TRONOX

Name: A. Keith Watson
Title: Project Manager

Phone: (405) 775-5475
Fax: (405) 775-6563
e-mail: Keith.Watson@Tronox.com

November 10, 2008

Mr. Kelly McMullan
State of Mississippi
Office of Secretary of State
P.O. Box 136
Jackson, MS 39205

Re: Hattiesburg Mississippi
Gulf States Creosote Site
Notice of Land Use Restrictions

Dear Mr. McMullan:

As instructed by email from Tony Russell of MDEQ, here is Tronox's signed copy of the Land Use Restrictions for the Gulf State Creosote remediation. If you have any questions or comments, please call me at (405) 775-5475.

Sincerely,

A. Keith Watson

Attachment

Copy: Jerry Banks – MDEQ
Matt Paque
Tony Russell - MDEQ

Mississippi Department of Environmental Quality

NOTICE OF LAND USE RESTRICTIONS

This Notice of Land Use Restrictions has been developed with regard to property located at Scooba Street as shown in the attached survey plat. This property, hereafter referred to as the "Site," is situated in Section 16, Township 4 North, Range 13 West, Forrest County, Mississippi, and being more particularly described by metes and bounds as follows, to-wit:

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Commence at the Northwest corner of said Lot 1 of Block 3 of the D. D. McInnis Third Survey or Addition to the City of Hattiesburg, Mississippi, to and for a Point of Beginning; thence run North 45 degrees 00 minutes 00 seconds East for 64.31 feet, along the Northeast margin line of Eastside Avenue; thence run South 46 degrees 13 minutes 16 seconds East for 11.20 feet, thence run South 44 degrees 46 minutes 56 seconds West for 66.68 feet, to the Northwest margin line of Scooba Street; thence run North 45 degrees 00 minutes 00 seconds West for 111.43 feet, along said Northwest margin line of Scooba Street, back to the Point of Beginning, comprising 0.17 acres.

Commencing at the Northwesterly most corner of the above said Lot 1, Block 3; thence North 45°00' East and along the Southerly margin of Eastside (Hall) Avenue 64.31 feet to the Point of Beginning; thence continue North 45°00' East and along the Southerly margin of said Eastside Avenue 154.76 feet to the Westerly margin of an alley; thence South 45°00'08" East and along the said Westerly margin 199.43 feet (record 200 feet) to the Southerly line of the above said Lot 4; thence South 45°00' West and along said Southerly line 150.68 feet; thence North 46°10'26" West 199.48 feet to the Point of Beginning.

The Restricted Use Areas of the Site are contaminated with creosote compounds at levels in excess of the Target Remediation Goals (TRGs) as established by the Mississippi Department of Environmental Quality (MDEQ). In order to protect public health and the environment, certain restrictions must be placed on the use of the Restricted Areas of the Site.

The following is a listing of all restrictions for the Restricted Areas of the Site:

1. There shall be no excavating, drilling or other activities to depths that could create exposure to contaminated media without approval from MDEQ;
2. The groundwater at the Site shall not be used, unless otherwise approved by MDEQ;
3. No wells shall be installed without prior approval from MDEQ.

Prior to executing any deed or other instrument conveying an interest in the Restricted Areas of the Site, the following conditions must be met:

1. Any conveyance of the Restricted Areas of the property must contain as covenants the restrictions listed above with a statement that the covenants run with the land and continue into perpetuity unless otherwise ordered by the Mississippi Commission on Environmental Quality;
2. Notice must be provided to MDEQ at least 30 days prior to any property transaction involving the Site; and
3. Prior to any change in use of the Site or any portion of the Site, notice shall be given to the MDEQ.

This Notice may be executed in counterparts.

The parties that have a legal or equitable surface interest in the Site follow:

1. Secretary of State, State of Mississippi as 16th Section Public School Trust Lands statutory supervisory trustee
2. Hattiesburg Municipal Separate School District
3. Tronox, LLC

Tronox, LLC agrees to indemnify, defend, protect and hold the Secretary of State, State of Mississippi as 16th Section Public School Trust Lands statutory supervisory trustee and Hattiesburg Municipal Separate School District against all claims, demands, causes of action and contentions in connection with the execution of this Notice.

STATE OF MISSISSIPPI

COUNTY OF FORREST

Executed, this the _____ day of _____, 2008.

_____
Secretary of State
State of Mississippi

STATE OF MISSISSIPPI
COUNTY OF HINDS

Personally appeared before me, the undersigned authority in and for the said county and state, on this the _____ day of _____, 2008, within my jurisdiction, the within named, _____, who acknowledged that he is _____ of the State of Mississippi and that in said representative capacity he executed the above and forgoing instrument for and on behalf of the State of Mississippi, after first having been duly authorized so to do.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

STATE OF MISSISSIPPI

COUNTY OF FORREST

Executed, this the _____ day of _____, 2008.

_____
President
Hattiesburg Municipal Separate School District

_____
Superintendent
Hattiesburg Municipal Separate School District

STATE OF MISSISSIPPI
COUNTY OF FORREST

This day personally appeared before me, the undersigned authority in and for the state and county aforesaid, the within named _____ and _____ who acknowledged that they are School Board President and Superintendent of Schools respectively, of Hattiesburg Municipal Separate School District, Forrest County, Mississippi, and that for and on behalf of Hattiesburg Municipal Separate School District, and after being duly authorized by said Hattiesburg Municipal Separate School District to do so, they executed, signed and delivered the foregoing Notice of Use Restrictions on the day and year therein mentioned and for the purposes therein expressed.

Given under my hand and official seal of office, this the _____ day of _____, 2007.

_____
NOTARY PUBLIC

MY COMMISSION EXPIRES: _____

STATE OF MISSISSIPPI

COUNTY OF FORREST

Executed, this the 10 day of NOVEMBER, 2008.

A Keith Watson
Tronox, LLC

STATE OF Oklahoma

COUNTY OF Oklahoma

This day personally appeared before me, the undersigned authority in and for the state and county aforesaid, the within named A. Keith Watson, who acknowledged that he is Project Manager of Tronox, LLC, a Delaware limited liability company, and that for and on behalf of said limited liability company, and after being duly authorized by said corporation to do so, he executed, signed and delivered the foregoing Notice of Use Restrictions on the day and year therein mentioned and for the purposes therein expressed.

Given under my hand and official seal of office this the 10 day of November, 2008.

PENELOPE CHEATHAM NOTARY # 99019123 EXP. 11/24/11 PUBLIC STATE OF OKLAHOMA

Penelope Cheatham
NOTARY PUBLIC

MY COMMISSION EXPIRES: 11/24/11

STATE OF MISSISSIPPI

HALEY BARBOUR
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

October 21, 2008

FILE COPY

Secretary of State Delbert Hosemann
Mississippi Secretary of State
P. O. Box 136
Jackson, MS 39205-0136

Re: Notice of Use Restrictions for Bevon Property, Northeast Drainage Ditch
Gulf States Creosote Site
Hattiesburg, Mississippi

Dear Secretary Hosemann:

As you are aware, the Mississippi Department of Environmental Quality (MDEQ), the Mississippi Secretary of State's Office (MSOS), and other parties involved in the above referenced matter have been working toward closure of the Northeast Drainage Ditch remediation portion of the Gulf States Creosote remediation project. After a great deal of work by all parties involved, MDEQ is prepared to formally close the matter.

The Northeast Drainage Ditch has been remediated to the satisfaction of the MDEQ. A portion of the concrete culvert beneath two buildings on the Bevon Property could not be removed and was therefore filled with cement. In situations where contamination can not be removed, it can be capped in place and use restrictions placed on the property. These actions are consistent with what MDEQ requires at sites across Mississippi when contamination can not be removed. The cap and use restrictions will be protective of human health and the environment for future use.

If you have any questions or would like to discuss this matter further, please feel free to contact Mr. Jerry Banks. I appreciate the support and assistance of your agency as we have worked through this process and look forward to the continued collaboration with your agency.

Sincerely,

Trudy Fisher
Executive Director

cc: Bill Cheney, Jr., Esq.
Jerry Banks, P.E.

FILE COPY

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

September 25, 2008

Mr. Keith Watson
Tronox LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Re: Gulf States Creosote Site
Remedial Action Report dated July 31, 2008
Hattiesburg, Mississippi

Dear Mr. Watson:

The Mississippi Department of Environmental Quality has reviewed the above referenced report submitted by Michael Pisani & Associates on behalf of Tronox. MDEQ finds the report to satisfactorily document the remediation work performed at the Site. No further remedial action is required at the site except for the annual monitoring of the shallow groundwater at this time.

Please call me with any questions you may have concerning this matter at 601-961-5318.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: Dave Upthegrove Michael Pisani & Associates [VIA EMAIL ONLY]

Remedial Action Work Plan

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Executive Summary

Introduction

The Gulf States Creosoting site (the Site) is a former wood treating plant in Hattiesburg, Mississippi. Since 1996, Kerr-McGee Chemical (KMC) has conducted extensive investigations to determine the limits of affected media at the Site. Through the completion of this investigative process, referred to in both state and federal guidance as a Remedial Investigation (RI), the vertical extent and horizontal extent of affected media have been fully delineated.

In May 2001, KMC also completed a baseline risk assessment to evaluate existing and/or potential risks to human health and the environment. Both the RI and risk assessment have been approved by the Mississippi Department of Environmental Quality (MDEQ).

The results of the RI and risk assessment have been used to identify areas of the Site where remediation of affected media is necessary and appropriate. This work plan describes proposed remedial activities required to address affected media in these areas of potential concern.

Project Background

In January 1997, KMC, MDEQ, and the Mississippi Commission on Environmental Quality entered into an agreement for the investigation of the former Gulf States Creosoting site in Hattiesburg, Mississippi pursuant to MDEQ's Voluntary Evaluation Program (VEP). The agreement called for characterization of the Site under the direction and review of the MDEQ Office of Pollution Control, Uncontrolled Sites Section. MDEQ guidance for the VEP states that investigations will include all activities necessary to characterize the environmental setting and to define the degree and extent of affected Site media. The MDEQ guidance refers to this investigative process as a Remedial Investigation.

A chronology of site response activities completed to date is provided in Table ES-1. The following reports presenting the results of site investigation activities have previously been submitted to MDEQ:

- *Remedial Investigation Report* (June 30, 1997)
- *Interim Report - Phase II Remedial Investigation*, August 14, 1998
- *Phase II Remedial Investigation Report* (December 30,1998)
- *Report on Additional Site Investigation Activities* (November 22, 2000)
- *Report on Site Investigation Activities, February and March 2001* (June 12, 2001)
- Letter report presenting the results of additional subsurface soil sampling (September 4, 2001).

In February 2000, KMC submitted to MDEQ a *Remedial Action Work Plan* for the Site. The work plan outlined proposed remedial activities to address affected media in the following areas:

- the Gordon's Creek Fill Area (the Fill Area);
- several subsurface features (i.e., storage tanks, a sump, and a suspected burial area) within the former Process Area;
- the area situated between the former Process Area and the Southern railroad tracks; and
- the northeast drainage ditch.

In a June 28, 2001 meeting, MDEQ and KMC agreed that in order to expedite cleanup of affected sediment and soil in the northeast drainage ditch, proposed activities to address the ditch would be presented in a stand-alone document. A *Removal Action Work Plan* for the northeast drainage ditch was submitted to MDEQ on August 3, 2001. Proposed response activities for affected media in the other above-listed areas, including additional work necessary to address MDEQ comments on the original plan, are presented in this *Remedial Action Work Plan.*

Overview of Proposed Remedial Action

The scope of remedial action for addressing the Fill Area consists of the following steps:

1. Drive sheet pilings to cut off intermittent seeps of dense non-aqueous phase liquids (DNAPLs) to Gordon's Creek.
2. Install a recovery system behind the sheet piling barrier to collect DNAPLs.
3. Install a clay liner atop affected Fill Area materials to inhibit the infiltration of precipitation through affected soils.
4. Implement a phytoremediation program to promote the capture of affected ground water and accelerate further degradation of site constituents in shallow soils.

Process Area Subsurface Features

The scope of remedial action for addressing subsurface features within the former Process Area consists of the following steps:

1. Remove oily materials from a concrete sump. Transport the solids as listed hazardous waste to a permitted offsite facility for incineration and disposal. Transport the liquids offsite for deep well injection.
2. Remove affected fill materials (i.e., soils and treated timbers) from a wooden substructure. Dispose of the material at a Subtitle D landfill.
3. Fill the excavations within the Process Area with select fill materials. Re-pave the parking lots above affected soils left in place to preclude infiltration of precipitation through affected soils.

Southern Railroad Track Area

The scope of remedial action for addressing the area situated between the former Process Area and the Southern railroad tracks consists of the following steps:

1. Drive sheet pilings between the Southern railroad tracks and the former Process Area. Pilings will be placed as close to the toe of the railroad berm as possible, taking into consideration structural stability issues.
2. Remove affected surface soils (i.e., soils to a depth of 6 feet below grade) from the area between the former Process Area and the Southern railroad tracks. Dispose of the soils at a Subtitle D landfill.
3. Fill the excavated area between the former Process Area and the Southern railroad tracks with clay fill material. Compact clay in lifts to preclude infiltration of precipitation through deeper affected soils.

1.0 Introduction

Site background and general information on proposed response activities are provided in the following sections.

1.1 Site Background

The former Gulf States Creosoting site is located in Hattiesburg, Mississippi near the intersection of Scooba Street and West Pine Street. The Site is situated entirely within Section 16 of Township 4 North, Range 13 West in Forrest County, Mississippi, and is roughly bounded by the Southern railroad tracks to the southeast, Scooba Street to the northeast, Corinne Street and Gordon's Creek to the northwest, and U.S. Highway 49 to the southwest.

The wood treating facility operated between the early 1900s and approximately 1960. Operations at the facility were of a relatively small scale, consisting of the use of creosote only in a single pressure treating cylinder. The Site was redeveloped for commercial and light industrial use beginning in approximately 1962. There are no residential or institutional uses of the Site.

Results of the RI indicated that media affected by constituents of concern are present in four areas: 1) the Gordon's Creek Fill Area; 2) the former Process Area; 3): the Southern railroad track area; and 4) the northeast drainage ditch. RI findings are summarized in Section 2 of this document.

1.2 Work Plan Objectives

This work plan defines activities required to address affected media at the Site. The primary objectives of these response activities are to:

- mitigate intermittent releases of wood treating constituents to Gordon's Creek;
- address potential source materials in the former Process Area; and
- reduce Site risks posed by potential exposure to affected surface soils.

1.3 General Plan

The general plan for remedial action at the Site has two primary components. The first component is the targeted cleanup of affected media in the Fill Area, the former Process Area, and the Southern Railroad track area. The second component is the use of institutional controls to ensure that: a) future uses of the affected areas of the Site are consistent with their current use (i.e., commercial and/or industrial): and b) current and future Site owners and/or lessees of the affected areas are advised of the presence of affected media and restrictions on land use.

Removal Action Work Plan

Northeast Drainage Ditch
Hattiesburg, Mississippi

1.0 Introduction

1.1 Project Background

Installation of approximately 3,700 feet of culvert pipe is planned to replace an open ditch ("the northeast drainage ditch") in Hattiesburg, Mississippi. The purpose of the project is to improve existing drainage in the project area and to address ditch sediments and soils containing polycyclic aromatic hydrocarbons (PAHs). The activities described herein were originally presented as part of a *Remedial Action Work Plan* for the former Gulf States Creosoting site, which was submitted to the Mississippi Department of Environmental Quality (MDEQ) in February 2000. In order to expedite completion of the ditch project, the plan for improving drainage and cleaning up the ditch is being submitted in this stand-alone *Removal Action Work Plan.*

1.2 Removal Action Objectives

The activities described in this work plan are designed to address impacted media within and adjacent to the northeast drainage ditch. The specific objectives of this removal action are to:

- eliminate the potential for exposure to impacted sediments and soils in the ditch;
- eliminate the potential for surface runoff to come in contact with impacted sediments and soils; and
- eliminate or greatly reduce the potential for infiltration of precipitation through impacted sediments and soils to shallow ground water.

1.3 Overview of Removal Action

The scope of the removal action to address the northeast drainage ditch consists of the following steps:

1. Remove existing culvert along the drainage pathway.
2. Excavate PAH-impacted ditch sediments and adjacent soils.
3. Load, transport, and dispose of impacted materials at an approved offsite facility.
4. Place an HDPE liner and sand bed (as necessary) in the excavated ditch.
5. Install culvert and drop inlets to provide for storm water collection and conveyance.
6. Backfill around culvert with clean soil and vegetate backfilled area with native grass.

The original plan was to remove impacted sediments and install culvert in the ditch up to a point approximately 2,400 feet downstream of the Southern railroad tracks. This point represents the distance past which no significant impact to sediments has been detected. During the engineering design study, however, it was determined that in order to

accommodate runoff from the upstream drainage basin, it would be necessary to install culvert pipe significantly larger than that already in place. Therefore, the proposed culvert system has been extended an additional 1,300 feet downstream of the originally planned termination point in order to tie in to the recently completed Hall Avenue drainage project. It is not anticipated that PAH-impacted materials will be encountered in the ditch downstream of the originally planned termination point, thus this design modification is warranted strictly for drainage purposes.

MICHAEL PISANI & ASSOCIATES, INC.
Environmental Management and Engineering Services

13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
Telephone (281) 242-5700
Facsimile (281) 242-1737
dangle@alltel.net

1100 Poydras Street
1430 Energy Centre
New Orleans, Louisiana 70163
Telephone (504) 582-2468
Facsimile (504) 582-2470
m.pisani@ix.netcom.com

18163 East Petroleum Drive
Suite B
Baton Rouge, Louisiana 70809
Telephone (225) 755-2250
Facsimile (225) 755-2259
cmfetters@ix.netcom.com

August 26, 2008

Mr. Tony Russell, Chief
Assessment Remediation Branch
Mississippi Department of Environmental Quality
515 East Amite Street
Jackson, Mississippi 39201

RE: Responses to MDEQ Comments
Remedial Action Report
Former Gulf States Creosoting Site
Hattiesburg, Mississippi
July 31, 2008

Dear Mr. Russell:

On August 22, 2008, we received from you via email several comments on the referenced document. Pursuant to follow-up telephone conversations on August 25, 2008, we hereby submit replacement pages for pages 12 and 14 of the *Remedial Action Report.* We also confirmed that the final page of Appendix E (Air Monitoring Reports) was inadvertently included by EarthCon, Singley Construction's air monitoring subcontractor for the project, and was actually from a report for a different project completed by EarthCon near the same time as the Hattiesburg project. Other than the final page, Appendix E contains only data pertaining to the former Gulf States Creosoting site and includes all air monitoring results from the remedial action.

It is our understanding that, with the exception of ongoing ground water monitoring and Fill Area gauging/recovery operations, the submittal of these replacement pages completes the work required by Agreed Order 4539 03.

Should you have any questions or need additional information, please contact me.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove

cc: Keith Watson – Tronox

4.0 Courtesy Ford Ditch/NSRR Track Area

The remedial action objectives for the NSRR Track Area were to: 1) remove free product and creosote-saturated materials from within and beneath drainage ditches; 2) eliminate the potential risks posed by direct contact with affected soils; 3) minimize the potential for infiltration of precipitation through affected soils; and 4) demonstrate that natural attenuation of constituents in ground water is occurring.

Free product and creosote-saturated soils within, beneath and immediately adjacent to drainage ditches in the NSRR track area were removed and transported offsite for disposal. Soils between the Courtesy Ford ditch and the NSRR tracks that exceeded the MDEQ-mandated remediation standard were also removed and transported offsite for disposal. Upon its discovery during soil removal in the NSRR track area, a wooden trough, which extended approximately 1,200 feet southwest of Timothy Lane parallel to the NSRR tracks, was also delineated and removed. Ground water monitoring necessary to demonstrate natural attenuation of site constituents is currently performed on an annual basis.

4.1 Relocation of Wilmut Gas Line

In order to allow for the removal of affected soil and construction of a concrete-lined ditch, it was necessary to re-route approximately 300 feet of a Wilmut Gas line located between Courtesy Ford and the NSRR right-of-way. Wilmut gas personnel performed the excavation and relocation of the line, with MP&A representatives onsite to assist with the delineation and management of creosote-affected soils. On August 28, 2003, approximately 300 tons of affected soil were removed from the area immediately surrounding the existing gas line and the trench dug to accommodate the new line. Soils were loaded directly into trucks and sent offsite for disposal at Waste Management's Central Landfill, a Subtitle D landfill in McNeill, Mississippi.

4.2 Removal of Affected Sediment and Soil – Courtesy Ford Ditch

The Courtesy Ford ditch is an approximately 650-foot long ditch that flows northeast parallel to and within 15 feet of the southeastern boundary of the Courtesy Ford parking lot. At Scooba Street, the ditch turns 90 degrees and flows approximately 65 feet southeast toward the NSRR tracks, at which point drainage turns northwest and flows through a culvert beneath Scooba Street. After flowing into a low-lying and flat drainage area immediately northwest of the intersection of the NSRR tracks and Scooba Street, drainage again turns 90 degrees and flows through a culvert beneath the NSRR tracks, at which point flow ties into the northeast drainage ditch project completed between 2003 and 2007 as part of a removal action.

Initially, the Courtesy Ford ditch was cleared of brush and other vegetation. Excavation of soils within and beneath the ditch then proceeded with a trackhoe, with excavated materials loaded directly into trucks for transportation offsite and disposal. Approximately 2,900 tons of soils were transported offsite for disposal. Almost all of the

surface of which were graded to drain to the concrete-lined ditch and seeded with Bermuda grass.

4.6 Completion of Drainage Components – NSRR Track Area

Following the removal of all affected soils within the NSRR right-of way, construction of the drainage components on both sides of Scooba Street was completed. On the upstream (i.e., southwest) side of Scooba Street, this consisted of extending the concrete-lined ditch to the culvert that crosses beneath Scooba. On the downstream (northeast) side of Scooba Street, drainage is poor due to the elevations of the culverts leading into and out of the area. For this reason, after affected sediment and soils were removed, the drainage area was backfilled to appropriate final design grade, lined with 40-mil HDPE lined, then filled with large diameter rip-rap. This has allowed the water and the sediment in the flat area to "find its own level" over time.

4.7 Removal of Affected Materials – Wooden Trough

During soil removal near the previously-excavated wooden substructure (i.e., at the Timothy Land end of the NSRR Track Area), a wooden trough was encountered extending from the wooden substructure toward the NSRR tracks. The trough consisted of a base and sides constructed of treated timbers, with six inches to one foot of stained soil immediately beneath its base. At a distance of approximately 55 feet from the tracks, the trough turned 90 degrees to the southwest and paralleled the NSRR tracks. The utility of this trough during operational times is unknown.

Because the wooden trough was not know to exist, measures to address affected materials in the NSRR Track Area southwest of Timothy Land were not contemplated in the *Final Remedial Action Work Plan.* However, once the affected timbers and soil were identified, MDEQ requested that Tronox excavate the trough and affected soil. Tronox complied with MDEQ's request for this additional work.

The trough and affected soils were removed to a distance of approximately 1,200 feet southwest of Timothy Lane. As the excavation extended to the southwest, the depth of the trough increased. When visibly-unaffected soils were present above the trough, they were segregated for subsequent use as backfill. Approximately 1,200 tons of treated timbers and soils were excavated, loaded directly into trucks and sent to Waste Management's Central Landfill for disposal. The trough excavation was backfilled with clean soils to surrounding grade.

At a point approximately 1,200 feet southwest of Timothy Land, the trough appeared to turn slightly and continue in a westerly direction, extending beneath paved areas for businesses located northwest of the NSRR tracks. These properties are subject to deed restrictions that: a) require that the properties are only used for commercial purposes; and b) prohibit excavation and other intrusive activities such as drilling, trenching and plowing.

"Tate, Franklyn"
<ftate@hattiesburgms.com>
08/11/2008 09:00 AM

To <Tony_Russell@deq.state.ms.us>, <tenniewhite@troubleshootersinc.com>, <sjones@worvam.com>, "Bryan Jones"
cc
bcc
Subject additional info

History: This message has been replied to and forwarded.

Tony,

APEX provided this Table as an adendum to its report. Please attach to the original report an make a part of the permanent file.

Thanks,
Franklyn

<<APEX.addendumwateranalysis.pdf>> APEX.addendumwateranalysis.pdf

Gulf States Creosote Sampling Project
APEX Environmental Consultants, Inc.

Sample Location	Parameter	Laboratory Results	MDEQ Tier 1 TRG	Units
MW – 2	Acenaphthene	0.096	0.365	Mg/l
	Acenaphthylene	0.0097	2.19	Mg/l
	Fluorene	0.099	0.243	Mg/l
	Fluoranthene	0.0043	1.46	Mg/l
	Naphthalene	0.18	0.0062	Mg/l
	Phenanthrene	0.021	1.10	Mg/l
MW – 5	Acenaphthene	0.068	0.365	Mg/l
	Fluorene	0.056	0.243	Mg/l
	Fluoranthene	0.0035	1.46	Mg/l
	Naphthalene	4.6	0.0062	Mg/l
	Phenanthrene	0.077	1.10	Mg/l
MW – 6	Naphthalene	0.0073	0.0062	Mg/l
MW – 7	Acenaphthene	0.015	0.365	Mg/l
	Fluorene	0.015	0.243	Mg/l
	Naphthalene	0.0068	0.0062	Mg/l
	Naphthalene	0.018	1.10	Mg/l
MW – 9	Acenaphthene	0.010	0.365	Mg/l
	Fluorene	0.017	0.243	Mg/l
	Naphthalene	0.024	0.0062	Mg/l
	Phenanthrene	0.0057	1.10	Mg/l
MW – 11	Acenaphthene	0.18	0.365	Mg/l
	Acenaphthylene	0.0047	2.19	Mg/l
	Fluorene	0.11	0.243	Mg/l
	Fluoranthene	0.0081	1.46	Mg/l
	Naphthalene	2.4	0.0062	Mg/l
	Phenanthrene	0.10	1.10	Mg/l
	Pyrene	0.0042	0.183	Mg/l
MW – 14	Acenaphthene	0.15	0.365	Mg/l
	Acenaphthylene	0.0028	2.19	Mg/l
	Anthrancene	0.021	0.0434	Mg/l
	Fluorene	0.12	0.243	Mg/l
	Fluoranthene	0.027	1.46	Mg/l
	Naphthalene	0.67	0.0062	Mg/l
	Phenanthrene	0.14	1.10	Mg/l
	Pyrene	0.016	0.183	Mg/l
MW – 19	Acenaphathene	0.006	0.365	Mg/l
	Dibenzofuran	0.019	0.0243	Mg/l
	Fluorene	0.008	0.243	Mg/l
	Naphthalene	0.009	0.0062	Mg/l
	Phenanthrene	0.003	1.10	Mg/l
	Benzene	0.017	0.005	Mg/l
MW – 21	Acenaphathene	0.007	0.365	Mg/l
	Dibenzofuran	0.009	0.0243	Mg/l
	Fluorene	0.008	0.243	Mg/l
	Naphthalene	0.008	0.0062	Mg/l

Note: This table was created at the request of Mr. Franklin Tate. The table reflects the water sample results compared to the MDEQ Tier 1 Target Remedial Goals. Only samples that had components above laboratory detection limits are listed above.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, MS

FROM: Tony Russell

DATE: August 8, 2008

SUBJECT: Fill Area – Produ ct Removal Conducted August 6

I met with Dickie Allison on August 6, 2008 to observe the gauging of wells for product and free product removal. A couple of the same wells were observed to contain small amounts of free product. Well 6 had the most with .85 feet. The product continues to move around.

The product is removed with a peristaltic pump. The pump is connected to dedicated tubing in the well and the product is removed along with some water. The total amount of fluid removed was less than two gallons.

No obvious creosote sheens or product were observed in Gordon's Creek during this site visit. The creek water was still a little dingy from the recent rain events. A real hard rain had occurred about a week ago.

The next scheduled monitoring event will be in November.

TROUBLESHOOTERS, INC.
500 East Woodrow Wilson Ave.
Building E-North
Jackson, MS 39216 USA

Office: 601-982-1920
Fax: 601-982-1980

TROUBLESHOOTERSINC.COM

Wednesday, August 06, 2008

Representative Gene Taylor
Attn: Jerry Martin, Congressional Aide
701 Main Street
Hattiesburg, MS 39401

Re: Creosote Investigation Hattiesburg, MS

Dear Representative Taylor,

On behalf of the Forrest County Environmental Support Team I writing to request an Official of EPA from the Washington D. C. Office be asked to come to Hattiesburg and make an onsite determination of the existing conditions of the contamination in the Community.

Water data submitted by APEX Environmental Consultants three months after they ended their investigation and presented their final report has been provided in partial to the City of Hattiesburg in an addendum. The ground water is contaminated at levels exceeding the MDEQ TRG levels. The water sample from Down Home Cooking is contaminated with Benzene at levels exceeding MDEQ TRG levels.

The complete data package every reputable laboratory provides upon request and included in the cost of the analytical services appears to be very problematic for EDL Labs. APEX passed the request for complete data to EDL Labs and received a response that," The Lab charges $100.00 per hour for the data package and it will take 3 weeks to prepare". This is a very unusual procedure for an analytical lab operating today as everything is computerized and automated. Data already in the system should be as easy to access as pulling a file. It may be problematic to print that amount of data but a $2.00 CD would provide the data in a compact fashion. I find it suspect for a Certified Environmental Laboratory today being reluctant to provide data to a client who has already paid for their services. It is very disturbing since a portion of the data was provided to me until I began to question the data and then NO MORE DATA.

We respectfully request a representative from EPA Washington D.C. because the Superfund Director for EPA Region 4 received a directive from her congressional office that data review of the Creosote Investigation was not necessary. The first communication I received from Ms. Dawn Taylor was a request for "all the data". The second communication was "I don't need it now". There is an obvious disconnect

between information needed to make an assessment and my congressional office has informed me that I don't need that information to make an assessment.
So once again we are in a position of asking, "Exactly Who is trying to cover up What?" An accurate determination of the conditions and hazards existing in the community cannot be made with piece meal information. Neither Ms. Dawn Taylor nor MDEQ can make a hazard assessment without accurate and complete data. While the City of Hattiesburg may have to engage in legal means to access information they have already paid for with public funds both Ms. Dawn Taylor and MDEQ only have to request the data in its entirety.

While neither Ms. Taylor nor MDEQ has followed through on the request for the data generated from the Creosote Investigation perhaps Officials from Washington, D. C. may be more successful.

So the important question is what is so damaging about the information on 32 soil and water samples collected by APEX Environmental Consultants and analyzed by EDL Labs?

Respectfully,

Tennie White

Tennie White,
President
TroubleShooters, Inc.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

AUG - 1 2008

The Honorable Gene Taylor
Member, U.S. House of Representatives
701 Main Street
Suite 215
Hattiesburg, Mississippi 39401

Dear Congressman Taylor:

Thank you for your June 27, 2008, letter to the U.S. Environmental Protection Agency (EPA), concerning property located in Ward 5 of the City of Hattiesburg. Because your letter was addressed to no particular person in EPA Headquarters, and because the site in question is in EPA Region 4, I will reply.

In the correspondence enclosed with your letter, Ms. Tennie White, President of TroubleShooters, Inc. raises allegations of disparate treatment of area citizens and expresses concerns regarding prior legal actions between responsible parties and residents and businesses.

EPA has not been a party to, or had any other involvement in, any litigation between responsible parties and the impacted community or any settlements reached as the result of such litigation. Therefore, we cannot address the adequacy or fairness of the settlements and equity of compensation.

However, as you know, EPA maintains an ongoing commitment to protect the environment for all people, regardless of race, color, national origin, or income, so that all people have the clean environment they deserve. EPA and our state partners work to protect all communities, including low income and minority communities, from adverse human health and environmental effects.

As you are aware, the Mississippi Department of Environmental Quality (MDEQ) provided oversight for addressing the contamination in Ward 5. Based on our review of MDEQ's actions to date, we believe the remediation was conducted in a manner protective of human health and the environment. MDEQ has informed us that the formerly contaminated areas no longer pose a threat to human health or the environment.

In 2003, the Agency for Toxic Substances and Disease Registry (ATSDR, a major component of the Centers for Disease Control and Prevention) received a request to conduct a health assessment in the area surrounding the site. The ATSDR noted that because the facility ceased operations more than 40 years ago, it would be very difficult to correlate current health information to previous processes; however, ATSDR agreed to do a preliminary investigation. During the ATSDR site visit, remediation was ongoing, including the capping of several exposure areas with asphalt. Because current exposure was under control, and a health assessment could not be conducted based on past exposure, ATSDR concluded that a health assessment was not required.

If you have questions or need additional information from EPA, please contact me or the Region 4 Office of Congressional and Intergovernmental Relations at (404) 562-8327.

Sincerely,

J. I. Palmer, Jr.
Regional Administrator

cc: Trudy Fisher, MDEQ

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

July 17, 2008

Mayor Johnny L. DuPree, Ph.D.
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

RE: APEX Environmental Consultants, Inc.
Environmental Site Assessment Report
Residential Area West of the former Gulf States Creosote Facility
for City of Hattiesburg, MS and TROUBLESHOOTERS, INC. comments

Dear Mayor DuPree:

A review of the above reference report does not change the Mississippi Department of Environmental Quality's position that the areas in question have been appropriately remediated and do not present a threat to human health and the environment. The following general comments are provided concerning the report:

1. We know and have known for years that the shallow groundwater in certain areas was contaminated and would remain so for many years whether or not groundwater remediation was put in place or source removal along with long term monitoring was instituted. A survey was conducted of the area to assure that no one was utilizing a shallow well and that the city water supply (deep wells) was protected thereby eliminating the primary route for exposure to the contaminated shallow groundwater. The removal of contaminated sediments and soils from the northeast drainage ditch and contaminated soils and other identified sources from the former plant site and immediate area that could reasonably be accessed and removed were removed to provide for natural groundwater contaminant degradation that would eventually remediate the contaminated groundwater. A review of the annual groundwater monitoring data indicates that the degradation of the contaminants in the groundwater is occurring as expected.

2. MDEQ would have wanted detection limits below our Tier 1 TRGs used that would give more definitive concentrations for each sample for comparison. However, when you look at the data you can draw definite conclusions – Example: Benzo (a) pyrene with an unrestricted use Target Remediation Goal of 0.0875 mg/kg and a detection limit of 0.2 mg/kg. The Target Remediation Goal is 0.0875 mg/kg which is an increased risk of cancer of 1 in 1,000,000. An acceptable range of remediation values used by both U.S. EPA and the State is between 1 in 10,000 and 1 in 1,000,000. Therefore, a benzo (a) pyrene concentration in the soil of less then 0.2 mg/kg would be a risk of between 1 in 1,000,000 and 1 in 100,000 which is acceptable. Additionally, the site specific risk based cleanup level that was developed in the Gulf States Creosote sites Site Specific Risk Assessment, reviewed and approved by both the U.S. EPA and the MDEQ, set a benzo (a) pyrene cleanup level of 1 mg/kg.

These comments are primarily regarding the APEX report and we are not responding to other comments and statements that are not relevant to this report and have previously been addressed by MDEQ. Again, the results of the report do not change the MDEQ's position that the areas in question have been appropriately remediated and do not a pose a threat to human health or the environment.

If you have further questions or I may be of assistance, please feel free to call me at 601-961-5100.

Sincerely,

Jerry Cain, P.E., DEE, Director
Office of Pollution Control

Honorable Gene Taylor
Congress of the United States
House of Representatives
2269 Rayburn House Office Building
Washington, D.C. 20515-2404

Mrs. Jerry Martin
District Representative
Congressman Taylor's Hattiesburg Office
701 Main Street – Suite 215
Hattiesburg, MS 39401

Mrs. Tennie White, President
Troubleshooters, Inc.
500 East Woodrow Wilson Avenue
Building E-North
Jackson, MS 39216

Mr. Tom Adams, CEO
Tronox
One Leadership Square, Suite 300
211 North Robinson Avenue
Oklahoma City, Oklahoma 73102

Mayor Johnny L. DuPree, Ph.D
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Percy Watson
Mississippi House of Representatives
P.O. Box 1018
Jackson, MS 39215

Mr. Sherri Jones
FCEST
P.O. Box 374
Hattiesburg, MS 39403

Mr. Roderick Woullard
Supervisor, District 4
Forrest County Board of Supervisors
641 Main Street
P.O. Box 1310
Hattiesburg, MS 39403-1310

Mr. Bill Cheney
Public Lands Division
Secretary of State
P.O. Box 136
Jackson, MS 39205

Dr. Annie Wimbish, Superintendent
Hattiesburg School District
301 Mamie Street
Hattiesburg, MS 39401

Honorable Kim Bradley
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Deborah Denard Delgado
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Carter Carroll
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Dave Ware
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Henry Naylor
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Ms. Ann Chapman, Chair
Hattiesburg Public School District
Board of Education
301 Mamie Street
Hattiesburg, MS 39401

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

July 15, 2008

FILE COPY

Honorable Gene Taylor
Congress of the United States
House of Representatives
2269 Rayburn House Office Building
Washington, D.C. 20515-2404

Dear Congressman Taylor:

Re: Kerr-McGee(Tronox) Site
Hattiesburg, Mississippi

The purpose of this letter is to provide you a response to your letter of June 27, 2008, to the U.S. Environmental Protection Agency, Washington, D.C., regarding the Kerr-McGee (Tronox) site located in Hattiesburg, Mississippi. The Department's responsibility in this matter was to approve a Remedial Action Work Plan and to provide oversight for the remediation of the contaminated property in order to provide continued protection of the environment and the public from contaminants on and around the site. The attached document provides a brief summary of the department's oversight of the project.

There are and have been numerous law suits brought against Kerr-McGee Chemical (Tronox) in United States District Court concerning the site regarding damages. MDEQ was not a party to the lawsuit but resolution of the case did hinge on approval of the remediation plan by MDEQ. Once approved, MDEQ and Kerr-McGee entered into an Agreed Order in which Kerr-McGee agreed to execute the cleanup plan as approved. MDEQ was not a party to any compensation paid as a result of the settlement and has no legal authority to intervene. Again, our responsibility was to oversee the remediation of the site and surrounding area so that it was protective of the environment and the public. The department completed its oversight of the remediation of the contaminated areas in July 2007 except for annual monitoring of the groundwater in the area to assure that contaminants in the

groundwater continue biodegradation. The remediation of the areas was conducted in such as manner as to be protective of human health and the environment and the formerly contaminated areas do not pose a threat to human health or the environment.

If I can be of further assistance of if you have further questions please call me at 601-961-5100.

Sincerely,

Jerry Cain, P.E., DEE, Director
Office of Pollution Control

Attachement

GULF STATES CREOSOTING COMPANY
HATTIESBURG, MS
APRIL 10, 2008

INTRODUCTION

The Gulf States Creosoting Company is an old wood processing facility that ceased operation in the early 1960's. The MDEQ began investigation of the site in 1989 and has been working with Kerr-McGee Chemical Company to assess and remediate the property since 1996. The MDEQ held a public meeting on November 6, 2002 to discuss the proposed remediation of the site and a subsequent public meeting on October 13, 2003 to discuss the status of the remediation at the site. The site remediation was completed in July 2007.

SITE DESCRIPTION

The Gulf States Creosoting Company site is located east of the intersection of Highway 11 and Highway 49. The site is approximately 73 acres in size and resides on 16th Section Land that is held in trust by the Mississippi Secretary of State and leased by the Hattiesburg Public School District to support the public schools in Hattiesburg. The part of the site with contamination is defined on the east side by Scooba Street and Ryan Mitsubishi, the south side by the Southern Railroad, the west side by Henson Auto Sales and AAA Homes, and the north side by Gordons Creek, Corinne Street and West Pine Street. The site has several commercial businesses operating on the site, most notably Courtesy Ford. The drainage from the site is split with some going into Gordons Creek and some going into an unnamed ditch running southeast from behind Courtesy Ford.

The Gulf States Creosote Company began operations around 1920 and was purchased by American Creosoting Corporation in July 1958. The company continued operations until 1960 or 1961 at which time the plant was closed and demolished. In April 1965 American Creosoting Company changed its name to Moss American, Inc. Then, in August, 1974 Moss American, Inc. merged with Kerr-McGee Chemical Corporation. The company treated wood with creosote. Creosote is an oily, translucent, brown to black liquid. It is applied full strength or diluted with petroleum oil or coal tar. Creosote contains approximately 85% polynuclear aromatic hydrocarbons (PAHs), 10 % phenolic compounds, and 5% nitrogen-, sulfur-, or oxygen-containing heterocycles. Typical PAHs associated with creosote are: acenapthene, acenapthylene, anthracene, Benz [a] anthracene, benzo [a] pyrene, benzo [e] pyrene, benzo [b] fluoranthene, benzo [g,h,i] perylene , benzo [j] fluoranthene, benzo[k] fluoranthene, chrysene, debenz [a,h] fluoranthene, fluoranthene, fluorene, indeno [1,2,3-c,d] pyrene, phenanthrene, and pyrene. Wastes generated by wood treating facilities include process wastewaters, surface water runoff, and/or sludges. Process wastewaters consist of wastewater from pressure treatment cylinders, kiln drying of wood, treated wood washing, accumulations in doors and pressure treatment cylinder sumps, and creosote formulation recovery. Surface runoff water from non-process areas such as treated wood storage yards and leaks and spills outside of containment areas. Sludges consist of oil-water emulsions, sawdust, dirt, wood chip, and debris. The sludges are collected from drip pads just outside the pressure treatment cylinders, rail trenches, pressure treatment cylinder door pits, and storage tank containment areas. Around 1966, the site started developing into a

commercial business area. Most of the original plant area is presently developed with car dealerships, automotive part stores, a beverage distributorship, and a grocery store.

AREAS OF CONTAMINATION

The site had four areas of contamination that were specifically identified. The four areas are: 1) the northeast drainage ditch, 2) the old "process area" which most of Courtesy Ford sits on top of, 3) the "fill" area and adjacent Gordons Creek, and 4) the Southern Railroad Track area. These areas have been evaluated for contamination of soil, sediments, groundwater, and surface water.

REMEDIES PROPOSED and COMPLETED

The following remedies were proposed and completed for the areas identified:

The northeast drainage ditch from Scooba Street to Katie Avenue had contaminated sediments removed. Then, an estimated 4700 feet of the ditch through the residential area was culverted and covered with clean fill. In the area of Scooba Street nearest the site it was determined that the old drainage culvert ran underneath Down Home Cooking and two other adjacent properties where removal of the old drainage line and any associated contamination was not feasible since the drainage line ran under buildings and parking areas. In these areas the old drainage line was pumped full of flowable concrete and sealed off to eliminate any exposure. The portions of the drainage line that were removed in this area indicated that the drainage line itself did not contain any creosote contamination but that there was some contamination under the drainage line. We have speculated that the drainage line was place on top of contaminated sediments when it was originally installed and that this was at some time after the creosote plant ceased operation since no contamination was found in the removed drainage line. Since some contamination was believed to have been left in place these three properties have a deed restriction on them for commercial/industrial use which is there current use. All of the residential property was cleaned for unrestricted use.

The old "process" area had soils saturated with creosote compounds removed, covered with clean soil, and capped and has a land use restriction for commercial/industrial use. Again, this area is primarily the Courtesy Ford property and that is its current land use.

The Southern Railroad Track area had creosote contaminated sediments and soils removed from beneath the drainage ditch. Additional sampling was conducted in this area to further delineate the area of contamination outside the drainage ditch that required removal and replacement with clean soil. This approach allowed the removal of contamination without causing concerns about impacting the structural integrity of the railroad bed and eliminated the need to place a cap on the railroad right-of-way that could have been subject to damage during a train derailment. During the removal of this contamination on the western end of this area, what appeared to be a "chute" made of wood was discovered that appeared to have been used to transport creosote or creosote wastes was excavated and removed along with any contamination. This "chute" ran an estimated 1000 feet and its purpose is still not known.

The "fill" area and adjacent Gordons Creek had a combination of actions. The "fill" area adjacent to the creek had a containment wall constructed to prevent migration of creosote contaminants into the creek. A series of monitoring and recovery wells were installed along the inside and outside of the containment wall for assuring that the creosote contaminants remain inside the wall and to recover creosote from inside the containment wall. Additionally, the "fill" area was capped to minimize infiltration of rainwater into the area. Also, the company used phytoremediation of the area – that is the planting of trees within the area that will utilize the contaminated groundwater and further minimize any migration of the contaminated groundwater while reducing the level of contamination in the groundwater. Also, any contaminated sediments were removed from Gordons Creek. Additionally, these areas had land use restrictions due to

capping and leaving some contamination in place that will limit the use of these properties to restricted use (commercial/industrial).

The groundwater contamination associated with the old "process" area will be monitored to assure that the contaminants do not migrate off the 16th Section land. If monitoring data indicate that the contaminants may migrate off the 16th Section land, then active remediation of the groundwater will be implemented. The groundwater monitoring to date does not indicate any increase in contaminants in the groundwater.

ASSESSMENT OF SITE RISKS

A human health risk assessment completed by Kerr-McGee and reviewed by EPA and MDEQ staff to evaluate "baseline" risk (risk if the site was **not** cleaned up and continued to be used as it is today). The assessment evaluated the potential risks to humans through several risk exposure pathways at the site: (1) to on-site workers and visitors through exposure to chemicals in surface soils through incidental contact with the skin or ingestion of soil; (2) to on-site workers from breathing contaminated dust from the site; (3) to site workers, visitors, and residents who might drink the contaminated surface water; and (4) to residents who might come in contact with contaminated sediments.

The hazards posed by the chemical constituents in soils, sediment, groundwater, and surface water for health effects other than an increased risk of cancer were well below a level of concern. The increased cancer risks for all the exposure scenarios mentioned above were within or below US EPA's acceptable target risk range of 1×10^{-6} to 1×10^{-4} (one in one million to one in ten thousand) with the exception of the on-site maintenance worker exposure to soils in the old "process" area and off-site resident exposure to sediments in the southeast drainage ditch or Gordons Creek. The added lifetime cancer risk estimated for an on-site maintenance worker was 4×10^{-4} (4 additional cancers in 10,000 on-site maintenance workers) and the added lifetime cancer risk estimated for the off-site resident was 2×10^{-4} (2 additional cancers in 10,000 residents). For site visitors, on-site workers, and residents oral contact with the contaminated soils or sediments containing the carcinogenic polyaromatic hydrocarbons (PAHs) (benzo-a-pyrene, etc.) was the exposure route with the greatest risk. These risks were just below the minimum acceptable risk utilized by EPA of 1×10^{-4}. A site specific human health risk assessment was conducted and a concentration of 0.97 mg/kg benzo (a) pyrene was calculated as the benzo (a) pyrene concentration below which the risk is less than 1×10^{-6}. The staff conducted confirmatory sampling of the area remediated along the northeast drainage ditch and calculated the mean concentration of benzo (a) pyrene equivalents as 1.244 mg/kg. This mean concentration is above the risk concentration of 0.97 mg/kg from the site specific human health risk assessment; however, one sample with a very high benzo (a) pyrene equivalent concentration of 15.306 mg/kg skews the mean significantly. By removing the soil in the area of this sample point reduces the mean benzo (a) pyrene equivalent concentration to 0.832 mg/kg. The staff has discussed with Kerr-McGee and they have agreed to conduct additional soil removal around this sample point. Another point of discussion is that we have looked at the data in terms of benzo (a) pyrene equivalents which considers all carcinogenic polycyclic aromatic hydrocarbons found at each sample point (we converted the concentrations of each individual polycyclic aromatic hydrocarbon to benzo (a) pyrene equivalents). The site specific human health risk assessment was based solely on benzo (a) pyrene, therefore, our assessment of the risk to human health is more conservative because we are looking at all the polycyclic aromatic hydrocarbons not just benzo (a) pyrene. Therefore, a benzo (a) pyrene equivalent concentration of 0.832 mg/kg is well below the 0.97 mg/kg benzo (a) pyrene concentration that was determined to be the acceptable concentration for less than 1×10^{-6} risk.

Concentrations of naphthalene in the groundwater beneath the old "process" area and south of the Southern Railroad exceed the acceptable level for drinking water. Although the groundwater is not currently used for drinking water, it is considered a potential drinking water source by the state. No contaminated groundwater from the site is currently used or has been used for human consumption to our knowledge. The City of Hattiesburg provides the neighborhood water supply and the City's water supply is not affected

by this contaminated groundwater. There is **no current** risk to residents from the contaminated groundwater. The City of Hattiesburg has passed a City Ordinance that no water wells can be drilled within the City Limits without a permit.

An Ecological Risk Assessment was conducted by Kerr-McGee and reviewed by EPA and MDEQ staff who concurred with the conclusion that there were no ecological concerns.

K:/Common/Sprvisor /Gulf States Creosoting Company Update 04-10-08

Honorable Gene Taylor
Congress of the United States
House of Representatives
2269 Rayburn House Office Building
Washington, D.C. 20515-2404

Mrs. Jerry Martin
District Representative
Congressman Taylor's Hattiesburg Office
701 Main Street – Suite 215
Hattiesburg, MS 39401

Mrs. Tennie White, President
Troubleshooters, Inc.
500 East Woodrow Wilson Avenue
Building E-North
Jackson, MS 39216

Mr. Tom Adams, CEO
Tronox
One Leadership Square, Suite 300
211 North Robinson Avenue
Oklahoma City, Oklahoma 73102

Mayor Johnny L. DuPree, Ph.D
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Percy Watson
Mississippi House of Representatives
P.O. Box 1018
Jackson, MS 39215

Mr. Sherri Jones
FCEST
P.O. Box 374
Hattiesburg, MS 39403

Mr. Roderick Woullard
Supervisor, District 4
Forrest County Board of Supervisors
641 Main Street
P.O. Box 1310
Hattiesburg, MS 39403-1310

Mr. Bill Cheney
Public Lands Division
Secretary of State
P.O. Box 136
Jackson, MS 39205

Dr. Annie Wimbish, Superintendent
Hattiesburg School District
301 Mamie Street
Hattiesburg, MS 39401

Honorable Kim Bradley
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Deborah Denard Delgado
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Carter Carroll
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Dave Ware
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Honorable Henry Naylor
Hattiesburg City Council
P.O. Box 1898
Hattiesburg, MS 39403-1898

Ms. Ann Chapman, Chair
Hattiesburg Public School District
Board of Education
301 Mamie Street
Hattiesburg, MS 39401

July 19, 2008

Residents will get no creosote compensation

By TERRY L. JONES

Chemical company Tronox said it will not compensate additional south Hattiesburg residents who believe they have been treated unfairly by the company.

The company made its sentiments known in a July 1 letter to Mayor Johnny DuPree. DuPree had written to Tronox, formerly known as Kerr-McGee, seeking closure of a nearly 20-year dispute.

DuPree's letter, dated June 9, was the first time a city official publicly supported the residents' claims of unfair treatment by the company.

Mark VanLandingham, Tronox vice president/government relations, said in the letter to DuPree, "Over the years, Kerr-McGee Chemical and Tronox have followed all (Mississippi Department of Environmental Quality) requirements in remediating properties impacted by creosote and also paid tens of millions of dollars to settle a variety of lawsuits related to a former wood-treating site that it never operated.

"We now believe that all residents with legitimate claims have been fairly compensated ..."

DuPree said Friday that Tronox's response didn't surprise him.

"It was my prayer that Tronox would want to resolve this issue as much as we do here in Hattiesburg," he said in a prepared statement. "The major request was to sit down with representatives from the company and interested parties outside of the media to bring conclusion to the matter.

"Tronox believes that all residents and parties were fairly represented but I think that if we had the chance to sit down with Tronox representatives we could dispel that belief."

U.S. Rep. Gene Taylor, D-Bay St. Louis, recently joined the mayor in support of the efforts of the Forrest County Environmental Support Team, the grassroots organization seeking compensation for chemical contamination in the neighborhoods near the former plant.

"I do believe that it is time for some serious action to be taken and once and for all completely deal with this matter and get it off the table," Taylor said in a June 27 letter to Tronox, the U.S. Environmental Protection Agency, MDEQ and the Mississippi Department of Health.

The city recently contracted with Apex Environmental Consultants to conduct testing in the area to determine if residents were still in a hazardous area. Apex told DuPree and the Hattiesburg City Council that trace amounts of creosote were present but posed no health hazards.

However, Apex's report was disputed by environmentalists from Troubleshooters Inc. in Jackson. The firm was hired by the FCEST to serve in a quality control check for Apex.

Officials with Region 4 of the EPA are now asking Troubleshooters Inc. for all the "raw data" involved

with Apex's investigation.

But according to a series of correspondences between city officials, Apex and Troubleshooters Inc., Apex owner Bryan Jones has yet to release that information.

"I've been requesting the data since February 2008," said Tennie White, president of Troubleshooters Inc.

"I don't know why (Jones) didn't turn over the information to the city. And I don't know why the data wasn't presented in the format the method calls for."

But in an e-mail to Hattiesburg Public Services General Manager Franklyn Tate, Jones said the EPA has yet to request from him the information White is talking about.

HP Officejet Pro L7600 All-in-One Series

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Jere "Trey" Hess, P.E.
601 961 5300
Jul 17 2008 2:39PM

Last Transaction

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Date	Time	Type	Station ID	Duration	Pages	Result
Jul 17	2:36PM	Fax Sent	9014045628788—6666	3:10	7	OK

FAX

TO:	FROM: Jerry Banks
Dawn Taylor	MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
	OFFICE OF POLLUTION CONTROL P.O. BOX 2261 Jackson, MS 39225
PHONE : (____) -	PHONE: (601) 961- 5221
FAX: (404) - 562 - 8788	FAX : (601) 961-5300

DATE: July 17, 2008 ☐ ROUTINE ☒ PRIORITY

NUMBER OF PAGES, INCLUDING THIS ONE: 7

MESSAGES:

Letter with attachment to Cong. Taylor

Forrest County

641 MAIN STREET
P. O. BOX 1310
HATTIESBURG, MISSISSIPPI 39403-1310

PHONE (601) 545-6000
FAX (601) 545-6095

DAVID B. MILLER
ATTORNEY

BETTY CARLISLE
COUNTY ADMINISTRATOR

June 30, 2008

Mr. Tom Adams, CEO
Tronox
1 Leadership Sq., Ste. 300
211 N. Robinson Ave.
Oklahoma City, OK 73102

Re: Creosote contamination in Hattiesburg

Dear Mr. Adams:

As you are aware, recent testing for creosote contamination conducted at the behest of the City of Hattiesburg near the former Kerr-McGee site produced conflicting results. I am writing in support of Mayor Dupree's June 9 request that Tronox consult with the Mississippi Department of Environmental Quality regarding the test results and any continuing implications for the safety of nearby residents.

I would also like to echo the Mayor's concerns with respect to the compensation afforded affected residents, who were apparently treated differently than neighboring commercial interests. Notwithstanding the County's role in previous litigation over the matter, I have a personal responsibility to protect the health and safety of my constituents and to ensure their fair treatment as it relates to compensation for any injuries or damages they have suffered.

I appreciate your time and attention in this matter and look forward to hearing from you regarding the same.

Sincerely,

Roderick Woullard
Supervisor, District 4

cc: Mr. Leonard Dickerson, Tronox
Mr. Jerry Banks, Mississippi Department of Environmental Quality
Ms. Trudy Fisher, Mississippi Department of Environmental Quality
Mr. Sherri Jones, Forrest County Environmental Support Team
The Honorable Percy Watson, Mississippi House of Representatives
The Honorable Johnny L. DuPree, Mayor, City of Hattiesburg
The Honorable Kim Bradley, Hattiesburg City Council
The Honorable Deborah Denard Delgado, Hattiesburg City Council
The Honorable Carter Carroll, Hattiesburg City Council
The Honorable Dave Ware, Hattiesburg City Council
The Honorable Henry Naylor, Hattiesburg City Council
Dr. Annie Wimbish, Hattiesburg Public School District
Ms. Ann Chapman, Hattiesburg School Board

GENE TAYLOR
4TH DISTRICT, MISSISSIPPI

COMMITTEE ON ARMED SERVICES

CHAIRMAN
SUBCOMMITTEE ON SEAPOWER AND
EXPEDITIONARY FORCES

COMMITTEE ON TRANSPORTATION
AND INFRASTRUCTURE

http://www.house.gov/genetaylor

Congress of the United States
House of Representatives
Washington, DC 20515–2404

2269 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515–2404
(202) 225–5772
FAX: (202) 225–7074

DISTRICT OFFICES:
2424 14TH STREET
GULFPORT, MS 39501
(228) 864–7670

701 MAIN STREET
SUITE 215
HATTIESBURG, MS 39401
(601) 582–3246

2900 GOVERNMENT STREET, SUITE B
OCEAN SPRINGS, MS 39564
(228) 872–7950

527 CENTRAL AVENUE
LAUREL, MS 39440
(601) 425–3905

412 HWY 90, SUITE 8
BAY ST. LOUIS, MS 39520
(228) 469–9235

June 27, 2008

Ms. Trudy Fisher
Executive Director
Mississippi Department of Environmental
Quality
P.O. Box 20305
Jackson, MS 39299-1305

RE: City of Hattiesburg – Ward 5

Dear Ms. Fisher:

Through this means, I am respectfully requesting your assistance. Enclosed find information concerning contaminated property in the City of Hattiesburg – Ward 5. This problem has existed for close to 20 years or more. I do believe that it is time for some serious action to be taken and once and for all completely deal with this matter and get it off the table. I believe that a country as great and diverse as ours can find a way to clear this problem up in such a way that it will be satisfactory for everyone and give the people in Ward 5 the satisfaction that their homes and families are not living in an endangered area.

If you have any questions, please contact my District Representative, Mrs. Jerry Martin, in the Hattiesburg Office located at 701 Main Street – Suite 215, Hattiesburg, MS 39401. Otherwise, I will await a reply regarding this matter.

Sincerely yours,

Gene

GENE TAYLOR
Member of Congress

GT:jm

Enclosure

TROUBLESHOOTERS, INC.
500 East Woodrow Wilson Ave.
Building E-North
Jackson, MS 39216 USA

Office: 601-982-1920
Fax: 601-982-1980

TROUBLESHOOTERSINC.COM

June 20, 2008

Representative Gene Taylor
Attn: Jerry Martin, Congressional Aide
701 Main Street
Hattiesburg, MS 39401

RE: Environmental Contamination on Public Lands, Hattiesburg, MS

Dear Representative Taylor,

I am writing on behalf of the Forest County Environmental Support Team. Environmental contamination of 16th Section Land located in the City of Hattiesburg is currently an issue of concern for the citizens. Contaminated property in the City of Hattiesburg's Ward 5 is the dirty little secret of Environmental Justice. This environmental contamination has not been addressed in a timely manner. The contamination was discovered in the 1990s. The white citizens and businesses which were impacted by the contamination were informed, compensated and or relocated. The black citizens in the contaminated area were not informed nor were they adequately compensated. The community is currently doing a health survey to determine the health effects of the environmental contamination on individuals and families. I estimate as many at 2000 to 3000 people have been affected. The Mississippi Secretary of State Office entered into an agreement with Kerr McGee which concerned the cleanup of 16th Section Lands in Hattiesburg. The same lands that the affected people are currently living on. I reviewed a copy of the agreement and I was appalled by the surrender of a redacted document which could have been generated

by the "Sovereignty Commission", a redacted document whose clear intent was to keep the affected citizens in the dark.

What we would like to see from Representative Taylor's office is just this … Justice on behalf of the Citizens of Hattiesburg who's Civil Rights were violated. These citizens in Hattiesburg were treated differently from the white citizens because they are poor and or black and as such their lives and the lives of their children are worth $400.00. They are allowed to continue to live in contamination because lawyers and boards of directors decided that it was just good business.

All persons who signed the Comprise Settlement which kept the Black Citizens of Hattiesburg impacted by the Kerr McGee Creosote site should go to jail for the violation of civil rights and the willful intent to harm the citizens of Ward 5, Hattiesburg, Mississippi.

Respectfully,

Tennie White

Tennie White,
President
TroubleShooters, Inc.

JOHNNY L. DUPREE, PH.D.
MAYOR

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	Deborah Denard Delgado	Carter Carroll	Dave J. Ware, II	Henry Naylor

June 9, 2008

Mr. Tom Adams, CEO
Tronox
One Leadership Square, Suite 300
211 North Robinson Avenue
Oklahoma City, Oklahoma 73102

Dear Mr. Adams:

Recently the City of Hattiesburg contracted with Apex Environmental to conduct additional testing of properties along the northeast drainage ditch in Hattiesburg for creosote. The FCEST (Forrest County Environmental Support Team) also evaluated the same test samples with conflicting results. We have forwarded both results to MDEQ.

The City of Hattiesburg and the FCEST's goal is the same and that is to determine if the properties still inhabited by Hattiesburg residents are safe. We request that you contact MDEQ for further discussions related to the test results and safety of our residents.

In addition, we believe that the residents on the east side of the drainage ditch were not treated fairly as it relates to compensation. It is apparent that Hattiesburg schools, other school districts and businesses were awarded compensation in much greater amounts compared to those amounts received by residents on the east side. I am requesting that a representative of Tronox contact me so that we may once and for all put this issue to rest. I am also available to travel to your offices for additional discussions.

The City of Hattiesburg was not involved in the negotiations of the Agreed Order but as a political representative of the citizens of Hattiesburg, I have a responsibility to protect their interests as it relates to safety and to ensure fair treatment as it relates to compensation. Resolution of this has taken much too long, and we must resolve it sooner rather than later.

I await your response.

Telephone (601) 545-4501 • Fax (601) 545-4608
Email mayor@hattiesburgms.com • Website www.hattiesburgms.com

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/kmh

Copies: Mr. Leamard G. Dickerson, Tronox
Mr. Jerry Banks, MDEQ
Ms. Trudy Fisher, MDEQ
FCEST
The Honorable Percy Watson, Mississippi House of Representatives
Hattiesburg City Council
Dr. Annie Wimbish, Ed.D., Hattiesburg Public School District
Mr. Rod Woullard, Forrest County Board of Supervisors
Ms. Ann Chapman, Hattiesburg School Board

June 19, 2008

Mayor seeks 'fair' compensation from creosote company

By TERRY L. JONES

For the first time in a drawn out dispute involving the chemical company Tronox and residents of a neighborhood in south Hattiesburg close to where a creosote plant once operated, Mayor Johnny DuPree said he did not think residents were compensated "fairly" by the company.

In a letter he sent to Tronox's CEO, Tom Adams, June 9, DuPree invited the company to contact him so that "we may once and for all put this issue to rest."

Tronox said a response was on the way.

Tronox, formerly known as Kerr-McGee, was sued by some residents in the neighborhood over possible creosote contamination. Kerr-McGee bought the company that operated a creosote plant in the area. The plant closed in 1962.

"We will be responding, in writing, to the mayor's letter," said Tronox spokeswoman Debbie Schramm. "He should be receiving it within the next week."

Schramm declined to comment on the details of the company's response.

The city recently contracted with Apex Environmental Consultants to conduct additional testing of the area for creosote, a carcinogen. Apex said its study showed that there were trace amounts, but it posed no health hazards.

However, the Forrest County Environmental Support Team (FCEST), which has advocated for the neighborhood, hired Troubleshooting Inc. in Jackson to serve as a quality control check for Apex. Troubleshooting disputed Apex's findings.

In his letter to Adams, DuPree requested that Tronox contact the Mississippi Department of Environmental Quality to discuss the conflicting test results and the safety of the residents.

"The city of Hattiesburg and the FCEST's goal is the same and that is to determine if the properties still inhabited by Hattiesburg residents are safe," DuPree said in the letter. "In addition, we believe that the residents on the east side of the drainage ditch were not treated fairly as it relates to compensation."

Sherri Jones, a leader of the FCEST, said he was happy that the mayor had taken this stance.

"Certainly we're glad he had the mindset to go ahead and represent his people," Jones said. "We interpret that to mean he realizes people's rights have been compromised."

DuPree said Wednesday he's hoping communication between the city, the residents and Tronox will finally result in a just end to the ordeal.

Jones said the FCEST will be meeting with State Rep. Percy Watson, D-Hattiesburg, today to request

that he take the same stand as the mayor.

"We expect the mayor and all elected officials in office to make sure all parties involved are held accountable," Jones said. "That involves city, county, state and federal (representatives) for their failure to properly notify... and properly protect the African-Americans residents."

TRONOX

Matthew A. Paque
Associate Staff Counsel

Phone: (405) 775-5443
Fax: (405) 775-6570
e-mail: matt.paque@tronox.com

June 18, 2008

Honorable Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg Mississippi
PO Box 1898
Hattiesburg, MS 39403-1898

Mayor DuPree,

Tronox has received your June 9, 2008 letter regarding the City of Hattiesburg's investigation of possible creosote contamination along the northeast drainage ditch. We understand that the test results along with the Forrest County Environmental Support Team's (FCEST) evaluation of those results have been forwarded to the Mississippi Department of Environmental Quality (MDEQ). Please be assured that Tronox is committed to addressing any concerns raised by the MDEQ following the agency's review of the test results. As you are aware, Tronox has already performed extensive remedial activities near the Hattiesburg wood-treatment facility (a facility that closed over 50 years ago and was never operated by Tronox). In January 2003, Tronox entered into a consent order with the MDEQ that required the company to perform remedial work along the northeast drainage ditch. That work is now complete. The company has kept the residents of Hattiesburg well informed throughout the remediation process. Tronox will promptly address any attributable environmental concerns identified by the MDEQ. We will keep you informed of any activities the company undertakes in Hattiesburg.

Sincerely,

Matthew A. Paque
Associate Staff Counsel
Tronox

cc: The Honorable Percy Watson, Mississippi House of Representatives
Ms. Trudy Fisher, Executive Director, MDEQ
Tom Adams, Chief Executive Officer, Tronox
Pat Corbett, Vice President, Safety and Environmental Affairs
Mr. Learnard Dickerson, Tronox

JOHNNY L. DUPREE, PH.D.
MAYOR

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	Deborah Denard Delgado	Carter Carroll	Dave J. Ware, II	Henry Naylor

June 9, 2008

Mr. Tom Adams, CEO
Tronox
One Leadership Square, Suite 300
211 North Robinson Avenue
Oklahoma City, Oklahoma 73102

Dear Mr. Adams:

Recently the City of Hattiesburg contracted with Apex Environmental to conduct additional testing of properties along the northeast drainage ditch in Hattiesburg for creosote. The FCEST (Forrest County Environmental Support Team) also evaluated the same test samples with conflicting results. We have forwarded both results to MDEQ.

The City of Hattiesburg and the FCEST's goal is the same and that is to determine if the properties still inhabited by Hattiesburg residents are safe. We request that you contact MDEQ for further discussions related to the test results and safety of our residents.

In addition, we believe that the residents on the east side of the drainage ditch were not treated fairly as it relates to compensation. It is apparent that Hattiesburg schools, other school districts and businesses were awarded compensation in much greater amounts compared to those amounts received by residents on the east side. I am requesting that a representative of Tronox contact me so that we may once and for all put this issue to rest. I am also available to travel to your offices for additional discussions.

The City of Hattiesburg was not involved in the negotiations of the Agreed Order but as a political representative of the citizens of Hattiesburg, I have a responsibility to protect their interests as it relates to safety and to ensure fair treatment as it relates to compensation. Resolution of this has taken much too long, and we must resolve it sooner rather than later.

I await your response.

Telephone (601) 545-4501 • Fax (601) 545-4608
Email mayor@hattiesburgms.com • Website www.hattiesburgms.com

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/kmh

Copies: Mr. Learnard G. Dickerson, Tronox
Mr. Jerry Banks, MDEQ
Ms. Trudy Fisher, MDEQ
FCEST
The Honorable Percy Watson, Mississippi House of Representatives
Hattiesburg City Council
Dr. Annie Wimbish, Ed.D., Hattiesburg Public School District
Mr. Rod Woullard, Forrest County Board of Supervisors

TROUBLESHOOTERS, INC.
500 East Woodrow Wilson Ave.
Building E-North
Jackson, MS 39216 USA

Office: 601-982-1920
Fax: 601-982-1980

TROUBLESHOOTERSINC.COM

Monday, June 02, 2008

Re: Notes on the Investigation conducted by APEX Environmental Consultants

1. Ground Water Samples are contaminated by Creosote Chemicals.

2. Laboratory used 50ppb for the internal standard instead of 10ppb. This provides a Chromatogram that appears to have low concentrations of chemicals. Trip Blank is contaminated.

3. The Sample bb24344 has a designation of X10.

4. Chemicals found : Naphthalene reported as 0.24 mg/kg... translates to 240 ug/kg limit 6.5ug/kg
5. Sample SB30 MW-19 BB24345 Water sample contains: Benzo (k)fluoranthene limit 0.03ug/l chromatogram 0.05ug/l Report BDL
6. Benzo (a) pyrene limit 0.003ug/l chromatogram 0.09ug/l Report BDL
7. Dibenz (a,h)anthrancene limit 0.003ug/l chromatogram 0.04ug/l Report BDL
8. Reports units mg/l EPA RCBA units ug/l... Chromatogram units ug/ml

9. Let's Cut to the Chase... Sampling Protocol was not followed. Soil Samples collected for volatiles were homogenized a procedure EPA Protocols clearly prohibited. Soil Samples for PAH were not protected from sunlight. (UV radiation). The best that we can expect from the soil samples is an indication of the presence of chemicals without a true indication of the levels.

10. The Public Scope of Services was to find Creosote
11. The Private Scope of Services was not to find Creosote.

12. The Laboratory altered the level of the internal standard to alter the appearance of the chromatograms. This was done in order to make the visible, invisible.
13. The limits set by EPA Risk Based Assessment for the chemicals of concern any competent lab can meet and format reports to meet these standards.
14. Science is about reproducibility. Any competent Lab can give EPA acceptable results; any competent lab welcomes comparison between their data.
15. All of the water samples contained some level of creosote. The ground water from visual observation is present at 3.5 to 4 feet. This impacts maintenance workers, construction workers and residents digging on their property.
16. Nothing was discovered in this investigation that the responsible parties did not already know.
17. The recommendations of the Health Risk Assessment Report currently located in the City of Hattiesburg's Public Library clearly state that residents would be exposed to potentially unacceptable levels of risk. The Report recommends relocating residents.
18. It should be noted that restrictions prohibit rebuilding residential units for the target properties.
19. It must be clearly stated that while white residents were relocated from the contaminated community the black residents were not. The people who should have protected and informed, at risk citizens at best were criminally ignorant of their responsibilities or at worst were criminally negligent. Simply because these people are poor and black it's alright that they live surrounded by environmental contamination and in harm's way. With the active assistance of lawyers, responsible parties, this administration and state officials Creosote is still present in the community.

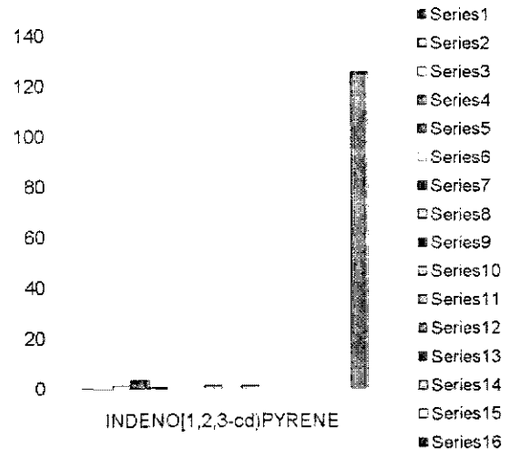
Jennie White

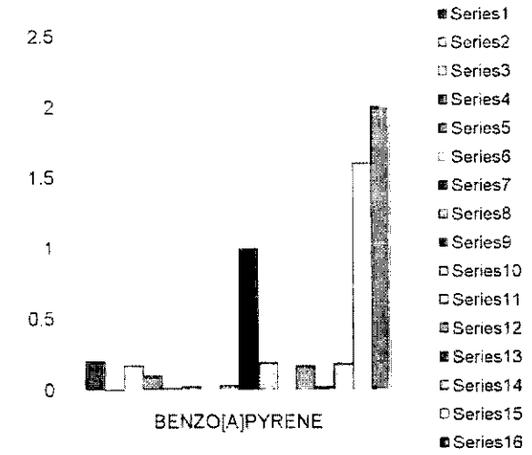
	MDEQ TRG	EPA RBC														
Collection Date			01/23/08	01/24/08	01/24/08	01/25/08		01/30/08	01/30/08	01/30/08		02/04/08	02/04/08	02/01/08	02/13/08	02/13/08
Lab Analysis Date			01/27/08	01/29/08	01/27/08	01/29/08		01/31/08	02/01/08	01/31/08		01/31/08	01/31/08	02/04/08	02/18/08	02/19/08
			Baxter St.	Amos St.		Graham St.		Eastside Ave.		Eastside		Eastside	Fluorence St.	W. Scooba	Francis St.	
ID			MW-1	MW-2	MW-2	MW-3	MW- 4	MW- 5	MW- 5	MW- 6	MW- 7	MW- 8	MW- 9	MW- 10	MW- 11	MW- 11
MATRIX			WATER													
CHEMICALS			ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L	ug/L
ACENAPHTHENE	365	371	0.02	97.5	65	0.02		51.18	61	1.2		0.03	10.22	0.03	183	195
ANTHRACENE	43.4	1800	0.01	2.7	3	0.01		1.49	8	0.15		0.03	0.37	0.01	7	72
BENZ[A]ANTHRACENE	0.0917	0.03		0.8	0.14	0.15		0.16	14	0.12		0.02	0.17	0.11	1.2	17
BENZO[B]FLUORANTHENE	0.0917	0.03	0.06	0.55	0.03	0.08		0.03	2	0.04		0.01	0.03	0.04	0.3	4
BENZO[K]FLUORANTHENE	0.917	0.3	0.07	0.05	0.04	0.09		0.04	2	0.05		0.01	0.05	0.05	0.3	5
BENZO[A]PYRENE	0.2	0.003	0.17	0.1	0.01	0.02		0.03	1	0.19		0.17	0.02	0.18	1.6	2
CARBAZOLE		3.3		79.3	74.36											
CHRYSENE	9.17	3	0.12	0.75	0.12	0.14		0.14	12	0.12			0.15	0.1	1	14
DIBENZ[A,H]ANTHRACENE	0.009	0.003	0.02	0.1	0.02	0.02		0.01	3	0.01		0.03	0.01	0.02	6	58
FLUORANTHENE	1460	1500	0.02	3.8	4.34	0.01		3.48	2	0.01		0.01	0.47	0.01	8.9	6
FLUORENE	243	240	0.01	98.9	69	0.02		44.73	37	1.1		0.02	16.76	0.02	113	92
INDENO[1,2,3-cd]PYRENE	0.0917	0.03	1.3	3.5	0.68			1.51		1.52						126
2-METHYLNAPHTHALENE	122	240	0.02	4.45	5.88											
NAPHTHALENE	6.2	6.5	0.03	182.25	129	0.02		11393	4611	7.82		0.89	24.48	0.33	1531	2387
PYRENE	183	180	0.01	1.9	0	0.01		0.76	1	0.02		0.01	0.27		4.6	4

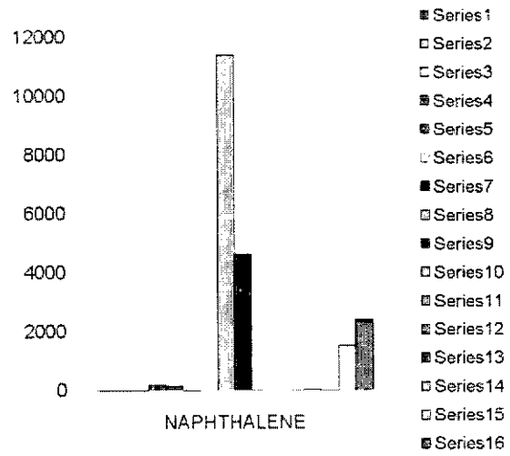
Formerly gas works

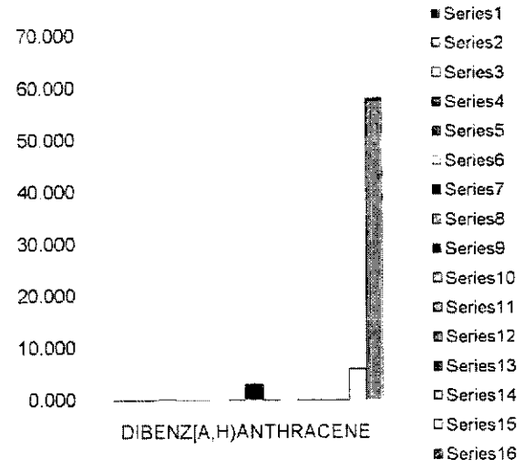
yellow on Lantis

To notify MDEQ









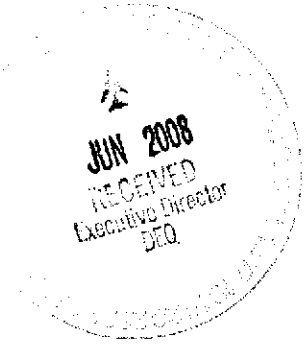
Chemical contamination of GroundWater in Hattiesburg, MS.

-MDEQ - 2002
-EPA update 2007

JOHNNY L. DUPREE, PH.D.
MAYOR

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	Deborah Denard Delgado	Carter Carroll	Dave J. Ware, II	Henry Naylor

May 29, 2008



Ms. Trudy Fisher, Executive Director
Miss Department of Environmental Quality
Post Office Box 2261
Jackson, Mississippi 39225

RE: Gulf States Creosote Follow-up Assessment

Dear Ms. Fisher:

The Gulf States Creosote site continues to be of concern to the City of Hattiesburg as well as a number of its residents and community organizations. As you may know, in an effort to ensure the health and safety of its citizens, the City retained APEX Environmental Consultants to gather and analyze soil and water samples in certain residential areas thought to still contain unacceptable levels of creosote contamination. On May 20, 2008, APEX presented its findings to the Hattiesburg City Council.

I have forwarded a copy of the APEX report to Mr. Tony Russell in the Office of Pollution Control so that it may become a part of the permanent Gulf States Creosote files. Should you have questions, please give me a call at (601) 545-4501.

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/kmh

Copy: Tony Russell
Bennie Sellers
Franklyn L. Tate
FCEST

Telephone (601) 545-4501 • Fax (601) 545-4608
Email mayor@hattiesburgms.com • Website www.hattiesburgms.com

hattiesburgamericans.com

June 3, 2008

Council receives conflicting creosote report

By TERRY L. JONES

Another chapter in the ongoing saga of whether a south Hattiesburg neighborhood is still contaminated with creosote was played out in City Hall on Monday during City Council's work session.

Tennie White, president of Troubleshooters Inc. in Jackson, told council members Monday that trace amounts of creosote discovered in groundwater samples are in fact a danger to residents despite earlier reports.

White's presentation came two weeks after Bryan Jones of Apex Environmental Consultants presented council with his opposite take on the same data.

Jones was paid $60,000 by the city to review the Mississippi Department of Environmental Quality's past investigation into the possible creosote contamination in the same neighborhood more than 10 years ago.

White was commissioned by members of the Forrest County Environmental Support Team to serve in a quality control role during Jones' investigation.

The creosote saga began with the 1996 lawsuit from several business owners against chemical company Kerr-McGee, now called Tronox, which was accused of contaminating the neighborhood near Courtesy Ford on Pine Street.

Although the lawsuit was settled two years ago, and more than 13,000 tons of contaminated soil was removed by MDEQ, residents in the area argued that the pollutant was still present and remains a threat to their quality of life.

Residents took their concerns to City Hall, leading to the hiring of Apex - but they were once again left dejected on May 19 after Jones gave his report to the council.

White told the council Monday that the residents were indeed still at risk from the trace amounts Jones reported because they exceeded the acceptable levels set forth from by the MDEQ and Environmental Protection Agency.

White also charged Jones with not following standard protocol during his lab testing, producing "watered-down" results to council, which downplayed the seriousness of the risk to the residents.

"All of the water samples contain some level of creosote," White said. "If you were in a situation where you were being exposed to chemicals and it was impacting your quality of life... what would you want your elected officials to do in response to your pain?"

White's question to the council received a response from Ward 2 Councilwoman Deborah Denard

Delgado who pointed out that the burden shouldn't fall entirely on the city's shoulders because much of the land contaminated was owned by the Hattiesburg Public School District.

"I see it a bit differently since so many people face potential liability," Delgado said. "I'm trying to figure out what's our reasonable responsibility."

A question members of the FCEST want answers to as well.

"Can anybody be held accountable for what has happened?" Sherri Jones, founder of the FCEST, asked the council. "We just want everyone to come together and agree that there's a problem."

Jones said FCEST plans to attend Hattiesburg school board's meeting today to address its role in the ordeal.

In other business, council will vote today to take an agenda item from the table to approve the purchase of a natural organism it planned to use to treat the sludge buildup in the city's south lagoon.

Council's decision comes weeks after Delgado challenged the purchase after discovering Archaea Solutions of Georgia was not the sole provider of the organism that breaks down natural waste.

The council is now considering conducting additional studies in the lagoon to better pinpoint the issues and problems that need to be addressed, including reducing sludge and the foul smells throughout the city, before bidding out to companies for solutions.

Robbie Wilbur/Admin/DEQ
05/20/2008 07:46 AM

To Jerry Banks/HW/OPC/DEQ@DEQ, Tony Russell/HW/OPC/DEQ@DEQ
cc
bcc
Subject Study: Chemical poses no danger

History: This message has been forwarded.

Study: Chemical poses no danger

Hattiesburg American
By TERRY L. JONES

Trace amounts of creosote were found in groundwater samples from a south Hattiesburg neighborhood, but there is no risk to area residents, the Hattiesburg City Council was told Monday.

But members of the Forrest County Environmental Support Team disagree.

"My opinion is, if I'm not drinking any of the water out there, I'm not exposed to any of the contaminants," Bryan Jones of Apex Environmental Consultants told council.

Apex was hired by the city to review the Mississippi Department of Environmental Quality's past investigation into possible creosote contamination in the same neighborhood more than 10 years ago.

The ongoing ordeal began with the 1996 lawsuit from several business owners against chemical company Kerr-McGee, now called Tronox, which was accused of contaminating the neighborhood near Courtesy Ford on Pine Street.

That lawsuit was settled two years ago and more than 13,000 tons of contaminated soil were removed by MDEQ.

But area residents argue that the pollution threatens them.

Jones said Apex collected 32 samples after conducting interviews with residents to better ascertain possible sites of contamination.

Tennie White, president of Troubleshooters Inc., a Jackson environmental company hired by FCEST, disagreed with Apex's findings.

"You have contamination and these people are at risk," White said after Monday's council meeting. "Just relocate them!"

White, along with members of the FCEST, thought they would be able to address the council Monday to challenge the findings in Jones' report. But they were told they would be given an opportunity to address the council later.

White said she plans to address the council today at its regular meeting.
http://www.hattiesburgamerican.com/apps/pbcs.dll/article?AID=/20080520/NEWS01/805200303/1002

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, MS

FROM: Tony Russell 5/20/08

DATE: May 20, 2008

SUBJECT: Fill Area – Produ ct Removal Conducted May 19

I met with Dickie Allison on May 19, 2008 to observe the gauging of wells for product and free product removal. A couple of the same wells were observed to contact small amounts of free product. Well 6 had the most with .9 feet. The product continues to move around. Some of the wells that had product back in February did not have any this time.

The product is removed with a peristaltic pump. The pump is connected to dedicated tubing in the well and the product is removed along with some water. The total amount of fluid removed is one to two gallons.

A sheen was observed in the creek. Further evaluation revealed that a very small amount of creosote (few ounces) was present in the creek setting on top of the clay. The creosote was removed with the peristaltic pump. The source of the creosote could not determined. Further assessment maybe warranted if it continues to pool in the creek.

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Sender's Copy

1 From *Please print and press hard.*

Date 4-16-08 Sender's FedEx Account Number 0392-0097-0

Sender's Name Tony Russell Phone (601) 961-5318

Company OFC OF POLLUTION CONTROL

Address 515 EAST AMITE street ~~8380 HIGHWAY 80 W~~

Dept./Floor/Suite/Room

City JACKSON State MS ZIP 39201 ~~39204-2312~~

2 Your Internal Billing Reference First 24 characters will appear on invoice. OPTIONAL

3 To

Recipient's Name Franklyn Tate Phone (601) 545-4541

Company City of Hattiesburg

Address 212 West Front St.

To "HOLD" at FedEx location, print FedEx address. We cannot deliver to P.O. boxes or P.O. ZIP codes.

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1		$ .00

†Our liability is limited to $100 unless you declare a higher value. See back for details.

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STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

April 22, 2008

FILE COPY

Mr. Keith Watson
Tronox LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Re: Gulf States Creosote Site
Ground Water Monitoring Report December 2007 Event dated April 11, 2008
Hattiesburg, Mississippi

Dear Mr. Watson:

The Mississippi Department of Environmental Quality has reviewed the above referenced report submitted by Michael Pisani & Associates on behalf of Tronox. MDEQ finds the report to be satisfactory and agrees with the conclusions presented. The report is therefore accepted without further comment.

Please call me with any questions you may have concerning this matter at 601-961-5318.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: Dave Upthegrove Michael Pisani & Associates

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

April 22, 2008

Mr. Glenn Jones
BATCO
2703 Oak Grove Road
Hattiesburg, MS 39402

Re: Gulf States Creosote
Work Plan for Testing and Restoration dated February 29, 2008
West Pine Street, Parcel #5
Hattiesburg, MS

Dear Mr. Jones:

The Mississippi Department of Environmental Quality (MDEQ) has reviewed the above referenced work plan that was *revised* per MDEQ comment letter dated March 31, 2008. MDEQ finds the plan adequate for the proposed scope of work and hereby approves the plan.

Due to the current work load, please coordinate implementation dates with me so a state representative can be present. Please call me at 601-961-5318 with any questions you may have concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

April 16, 2008

FILE COPY

Mr. Franklyn Tate
City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39403-1898

Re: Gulf States Creosote Site
Groundwater Monitoring Report December 2007 Event dated April 11, 2008
Hattiesburg, Mississippi

Dear Mr. Tate:

Please find attached a copy of the December 2007 Annual Groundwater Monitoring Report for the old Gulf States Creosote site located on West Pine Street in Hattiesburg.

Please feel free to call me at 601-961-5318 if you have any further questions concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

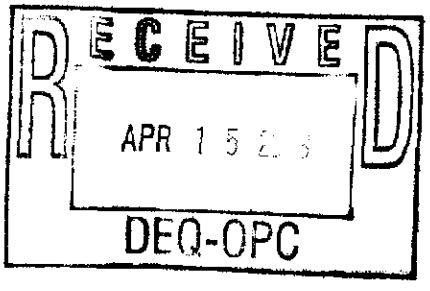
MICHAEL PISANI & ASSOCIATES, INC.
Environmental Management and Engineering Services

13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
Telephone (281) 242-5700
Facsimile (281) 242-1737
dangle@alltel.net

1100 Poydras Street
1430 Energy Centre
New Orleans, Louisiana 70163
Telephone (504) 582-2468
Facsimile (504) 582-2470
m.pisani@ix.netcom.com

18163 East Petroleum Drive
Suite B
Baton Rouge, Louisiana 70809
Telephone (225) 755-2250
Facsimile (225) 755-2259
cmfetters@ix.netcom.com

April 14, 2008



Mr. Tony Russell
Assessment Remediation Branch Chief
Mississippi Department of Environmental Quality
515 East Amite Street
Jackson, Mississippi 39201

Re: *December 2007 Ground Water Monitoring Report*
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Dear Mr. Russell:

Enclosed are two hard copies of the referenced document (one for MDEQ and one for the City of Hattiesburg) plus a CD containing a complete electronic version of the report. The December 2007 monitoring results indicate that constituent concentrations in site ground water continue to decrease over time.

Should you have any questions or wish to discuss the enclosed report, please contact me.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove, P.G.

cc: Keith Watson – Tronox

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

March 31, 2008

Mr. Glenn Jones
BATCO
2703 Oak Grove Road
Hattiesburg, MS 39402

Re: Gulf States Creosote
Sampling Analyses, Excavation and Backfilling Work Plan dated February 29, 2008
West Pine Street, Parcel #5
Hattiesburg, MS

Dear Mr. Jones:

The Mississippi Department of Environmental Quality (MDEQ) has reviewed the above referenced work plan. Approval of the work plan is contingent on incorporation of the following concerns:

1. Section 2.1.2.4 – the plan states that sampling equipment will be decontaminated after each six foot core is collected. The geoprobe rig equipment will have to be decontaminated between each four foot push unless sufficient equipment is present that the core barrel is not reused until decontaminated. The final rinse must be with isopropyl alcohol which is after the deionized water rinse.

2. Section 2.2.1 – this area is already a restricted use area per the settlement agreement with Kerr McGee.

3. Section 2.2.2.1 – the area may have to be sprayed periodically with water to control fugitive dust if removal actions are required.

4. Section 2.2.5 – all workers must have 40 hour training per OSHA 29CFR1910.120.

5. MDEQ requires that a report of findings be submitted to MDEQ within 60 days of completion of field sampling activities. The report shall contain sufficient information to show location of any areas of concern that will require removal.

6. MDEQ requires a minimum of two weeks notice prior to implementing the field work so a State representative maybe present.

7. MDEQ normally splits no more than ten percent of the total number of samples collected. MDEQ requires that the appropriate EPA approved sample container be provided for MDEQ split samples.

Please respond in writing to these requirements by April 9, 2008. Please call me at 601-961-5318 with any questions you may have concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

March 10, 2008

Mr. Franklin Tate
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403

Re: Timothy Lane site

Dear Mr. Tate:

As we discussed, the South Regional Office of the MS Department of Environmental Quality has conducted an investigation and sampling of oily waste in the drainage ditch on Timothy Lane. An analysis of the soil found the material to be diesel fuel which may have been used to clean automobile parts. It did not contain creosote constituents as alleged in the complaint that originated the investigation.

Our investigator was unable to identify a responsible party for the dumping of this waste on what appears to be a city right of way. A follow-up inspection found that the dumping is continuing. We request that the city make arrangements to have the material removed from the drainage to prevent further contamination of stormwater runoff, post no dumping signs and patrol the area to prevent further improper dumping of waste. The relatively small quantity of material may be disposed of at a Subtitle D Sanitary Landfill.

If you have any questions, please contact me at 228-432-1056.

Sincerely,

Nick Gatian
Supervisor
South Regional Office

cc: Henry Folmar
Chris Sanders
Gloria Tatum
Tony Russell

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

January 15, 2008

Mayor Johnny L. DuPree, Ph.D.
P.O. Box 1898
Hattiesburg, MS 39403-1898

RE: Tronox, December Monitoring Visit

Dear Mayor DuPree:

This letter is in response to your letter of December 10, 2007, regarding the ongoing monitoring of groundwater at the Tronox site in Hattiesburg. Tronox has been conducting monitoring of the site with Mississippi Department of Environmental Quality (MDEQ) oversight for years without any problems. All of the monitoring wells with the exception of one at the intersection of Scooba Street and Francis Street are on the City of Hattiesburg's right-of-way. Tronox's consultant notified Mr. Bennie Sellers with the City that the sampling event would be conducted the week of December 3 prior to the sampling. Tronox, the consultant, or MDEQ were unaware that the one well off of the City of Hattiesburg's right-of-way had a change of lessee. The previous lessee of the property had given Tronox permission to install and sample the well and upon MDEQ staff contacting the Secretary of State's office, was told that since the previous lessee had given permission to install and sample the well, this gave Tronox implied access to the property. After Mr. Tony Russell and MDEQ went to the home of Mr. Eddie Brazile and explained what was occurring, they were allowed access to the property.

MDEQ has always requested that company's and consultants contact property owners prior to conducting sampling activities on their property as a matter of courtesy. We regret the recent problem but assure you that the City and Mr. Brazile will be contacted prior to the next sampling event in December 2008.

OFFICE OF POLLUTION CONTROL
POST OFFICE BOX 10385 • JACKSON, MISSISSIPPI 39289-0385 • TEL: (601) 961-5171 • FAX: (601) 354-6612 • www.deq.state.ms.us
AN EQUAL OPPORTUNITY EMPLOYER

With regard to identification of vehicles and personnel, all MDEQ personnel have I.D.s and all MDEQ vehicles are marked. MDEQ has not required the consultant to have specific identification or drive vehicles with specific identification. I am told that Michael Pisani Associates, the consultant for Tronox, does not have company vehicles and all their staff drive either their personal vehicles or rented vehicles. MDEQ does perform oversight of most of the sampling activities conducted by consultants and companies and will normally be there in a MDEQ vehicle.

If I may be of further assistance, please let me know.

Sincerely,

Jerry W. Cam, P.E., DEE
Director, Office of Pollution Control

JWC:pl
cc: Gloria Tatum
Tony Russell
Franklyn Tate
FCEST

MEMO
TO:
JERRY BANKS
- BRIEF ME ON THE ISSUE
- PREPARE A RESPONSE TO THE MAYOR FOR MY SIGNATURE.
T'S
JERRY

Mayor
Johnny L. DuPree, Ph.D.

ard 2 *Delgado* | **Council - Ward 3** *Carter Carroll* | **Council - Ward 4** *Dave J. Ware, II* | **Council - Ward 5** *Henry Naylor*

December 10, 2007

Vater Assessment and Remediation
P. O. Box 20305
Jackson, MS 39289-1305

RE: December Monitoring Visit

Dear Mr. Russell:

The level of interest on the part of the City and the Forrest County Environmental Support Team in the Gulf States Creosote remediation project creates a heightened need for procedural sensitivity. Notwithstanding, under the terms of the Agreed Order we recognize the requirement to engage in ongoing monitoring on the part of the Mississippi Department of Environmental Quality and Tronox. Certainly access to the monitoring wells is essential if MDEQ and Tronox are to carry out their obligations relative to the Agreed Order.

In order to ensure a smoother monitoring process, we would request that MDEQ make a greater effort to notify citizens of its activities (particularly when access to the monitoring wells requires that testers enter onto a citizens property and/or fenced area). Equally helpful would be the proper identification of any vehicles and personnel sent out to obtain samples from the monitoring wells. We all have the safety and welfare of the citizens of Hattiesburg as our common objective. This can only be achieved if we approach any related activities as thoughtfully as possible. In you have any concerns and suggestions of ways to improve this process, please do not hesitate to give me a call at (601) 545-4501.

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

Copy: Jerry Cain
Gloria Tatum
Franklyn Tate
FCEST

NEWFIELDS

December 13, 2007

Keith Watson
Tronox LLC
One Leadership Square, Suite 300
211 North Robinson Avenue
Oklahoma City, OK 73102

Re: Chemical Fingerprinting of Impacted Soil
Timothy Lane, Hattiesburg, Mississippi

Dear Mr. Watson:

NewFields Companies, LLC (NewFields) is pleased to provide this letter report describing the results of the chemical fingerprinting analyses conducted on a surface soil collected from Timothy Lane in Hattiesburg, Mississippi on November 9, 2007. The objective of our analysis was to determine the nature of any extractable hydrocarbons in the soil, with the specific intention of determining if the soil contained creosote or any creosote-like material, perhaps from the nearby Gulf States Creosoting facility.

Sample and Methods

The soil was collected on Nov. 9, 2007 by Billy Waits and forwarded via overnight carrier and under chain-of-custody (attached) on Nov. 13 to Alpha Woods Hole Laboratory (AWHL) in Mansfield, Massachusetts. The sample arrived safely on Nov. 14, 2007 and was assigned the unique laboratory identification o f 0711080-01.

The soil was spiked with surrogate internal standard compounds (SIS) and serially extracted with methylene chloride (DCM) in amber 250 cc jars using shaker table techniques according to a modified U.S. EPA Method 3500B. Final concentrated extract was spiked with recovery internal standards (RIS) prior to gas chromatography-flame ionization detection (GC/FID) analysis via modified EPA Method 8015B. This chemical fingerprinting method was recently described in Douglas et al. (2007)[1] and provided the basis for determining the overall composition of the extractable hydrocarbons in the soil. Quality control samples for the chemical analyses included analysis of a sample duplicate, laboratory control sample (LCS), LCS duplicate, procedural blank, and reference crude oil. The complete AWHL data package is being retained by NewFields but is available upon request.

Results

Figure 1 shows the GC/FID chromatogram of the total extractable hydrocarbons (THC) within the Timothy Lane soil sample. The soil contained THC with a homologous series of *n*-alkanes ranging from *n*-C_{10} to *n*-C_{28} and numerous other peaks recognized as alkyl-naphthalenes and acyclic isoprenoids (e.g., pristane and phytane). The *n*-alkanes reach a maximum at *n*-C_{16}. An unresolved complex mixture (UCM) hump is observed to span the boiling range of the *n*-alkanes. These features collectively indicate that the Timothy Lane soil contains a relatively unweathered middle distillate fuel, such as diesel fuel #2. There is no evidence for the presence of any other petroleum product or waste, including creosote.

The basis for this conclusion is evident in Figure 2, in which the "fingerprint" of the hydrocarbons in the Timothy Lane soil is compared to those of diesel fuel #2 and creosote reference materials (from NewFields' sample library). It can be easily seen that the Timothy Lane soil's fingerprint is highly

[1] Douglas, G.D., Emsbo-Mattingly, S.D., Stout, S.A., Uhler, A.D., and McCarthy, K.J. (2007) Chemical fingerprinting of hydrocarbons and polychlorinated biphenyls. In: *Introduction to Environmental Forensics, 2nd Ed.*, B. Murphy and R. Morrison, Eds., Academic Press, New York, pp. 317-459.

comparable to the reference diesel fuel (Fig. 2B) and completely different from that of the reference creosote (Fig. 2C). There are some differences evident between the Timothy Lane soil and the reference diesel, in which the latter contains a greater proportion of low boiling compounds (peaks toward the left of Fig. 2B) and a smaller UCM "hump".

These differences are entirely attributable to a minor amount of weathering, mostly evaporation, of the diesel fuel within the Timothy Lane sample (Fig. 2A) compared to fresh (unweathered) diesel fuel #2. This degree of weathering can occur in a very short period of time and therefore, does not necessarily indicate that the Timothy Lane diesel fuel had been in the environment for a long time. In fact, as noted above, the diesel fuel in the Timothy Lane sample contains prominent *n*-alkanes. These compounds are highly susceptible to microbial biodegradation, which can proceed quite rapidly in surface soils. Therefore, the prominence of *n*-alkanes argues that the diesel fuel in the Timothy Lane soil had not been in the environment for a *long period of time*. It is not possible to quantify the exact duration of time, but in my experience, I'd suspect that the diesel fuel was in the environment no longer than a couple of months.

Conclusion

Chemical fingerprinting of soil from Timothy Lane contains a mildly evaporated diesel fuel #2. There is no creosote present in the sample.

If you have any questions regarding this report or the attached data please do not hesitate to call me at (781) 681-5040 X105.

Sincerely,

Scott A Stout

Sr. Consulting Geochemist

Attachments:
Chain-of-custody
GC/FID chromatograms

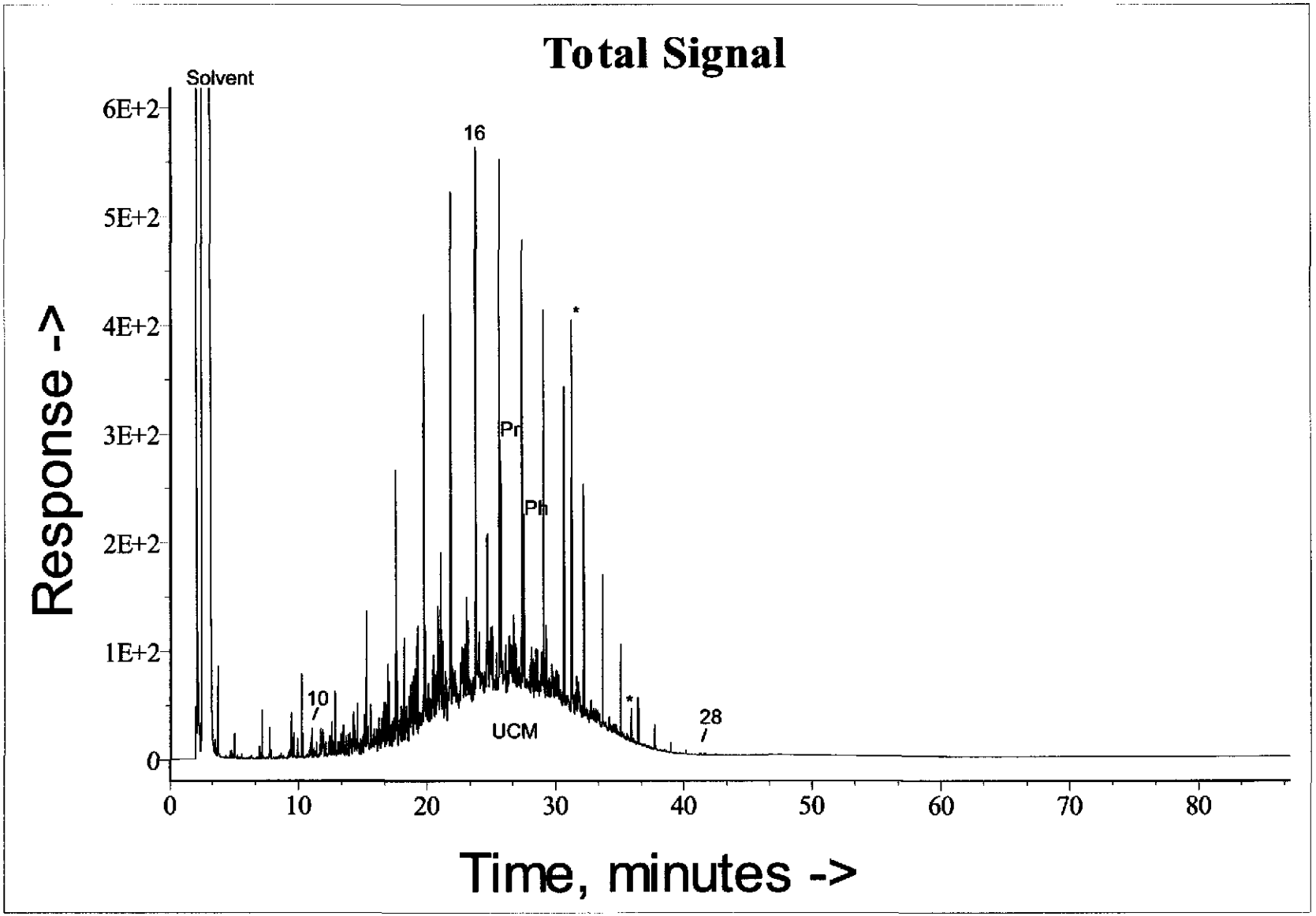


Figure 1: GC/FID chromatogram of the extractable hydrocarbons within the Timothy Lane soil collected November 9, 2007. *#-n-*alkane carbon number; Pr-pristane; Ph-phytane; UCM-unresolved complex mixture; * - internal standards.

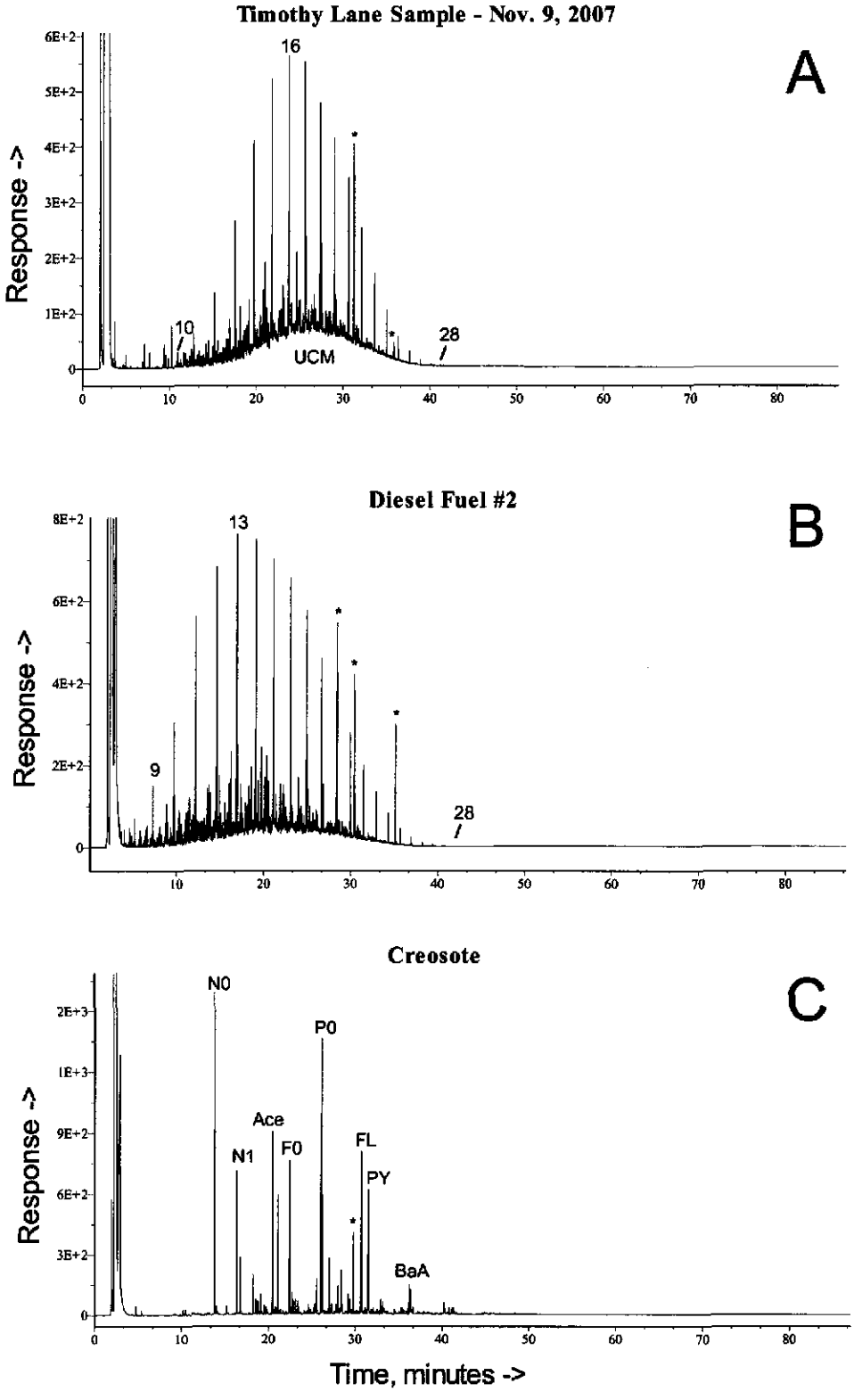


Figure 2: GC/FID chromatograms showing (A) Timothy Lane soil sample in question and reference materials, (B) a fresh diesel fuel #2 and (C) a fresh creosote. #-n-alkane carbon number; UCM-unresolved complex mixture; N0-naphthalene, N1-methyl-naphthalene, Ace-Acenaphthene, F0-fluorene, P0-phenanthrene, FL-fluoranthene, PY-pyrene, BaA-benzo(a)anthracene, *-internal standards.

NEWFIELDS

Environmental Forensics Practice LLC

Chain of Custody

Proj. No	Proj. Name
21-04	GULF STATES CREOSOTING - HATTIESBURG, MS

SAMPLERS: Signature: BILLY WAITS - Billy Waits

ANALYSIS REQUESTED → "NUMBER OF CONTAINERS"

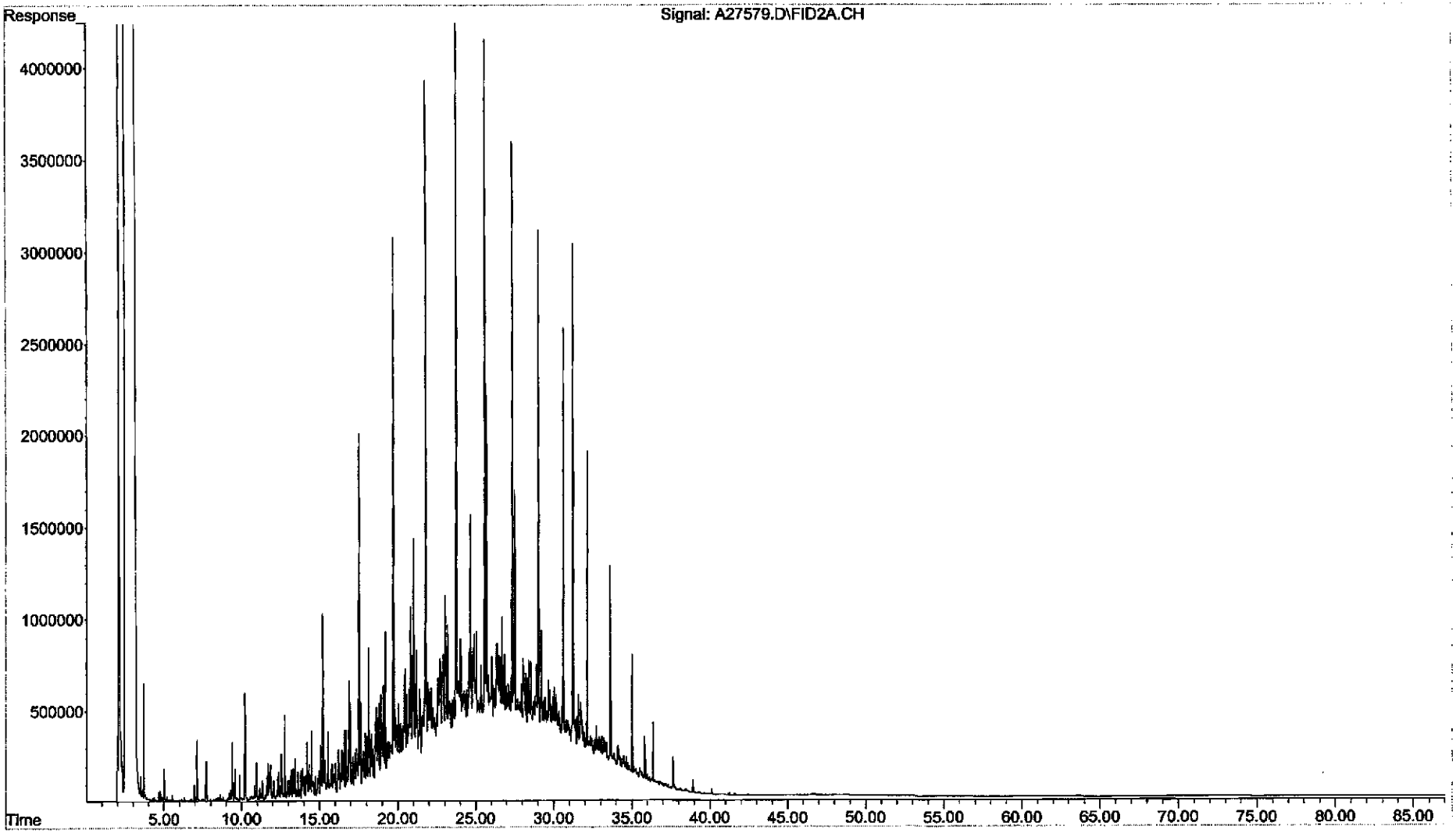
DATE	TIME	LAB ID	CLIENT ID	SAMPLE DESCRIPTION	MATRIX (Oil/Soil/Water)	GC-FID-TPH (C+)	GCMS-Alkyl PAH	GCMS-Biomarkers	PIANO - VOA	Organic Lead	METALS	PCB	Pesticides	PRESERVED	Total Number of Containers
11-9-07	2:30 pm		TIMOTHY LANE	SURFACE SOIL SAMPLE - DEAD END OF TIMOTHY LN	SOIL	X									1

Relinquished by:	Date/Time	Received by:	Date/Time
Billy Waits	11/13/07 12:00 pm	FED EX	
Relinquished by:	Date/Time	Received by:	Date/Time
FED EX	11/14/07 1000		11/14/07 1000

Comments: Samples to be shipped to: Alpha Woods Hole Labs
320 Forbes Blvd.
Mansfield, MA 02048
Tel: (508) 822-9300
Attn: Liz Porta

send Report to Scott Stout of NewFields

File :Z:\2007 AWHL DATA\Tronox-Hattiesburg, MS\FID Prelim\A27579.D
Operator : AC
Acquired : 10 Dec 2007 10:49 pm using AcqMethod FRBIO2A.M
Instrument : PAH2
Sample Name: 0711080-01-AFID
Misc Info : 1X
Vial Number: 57



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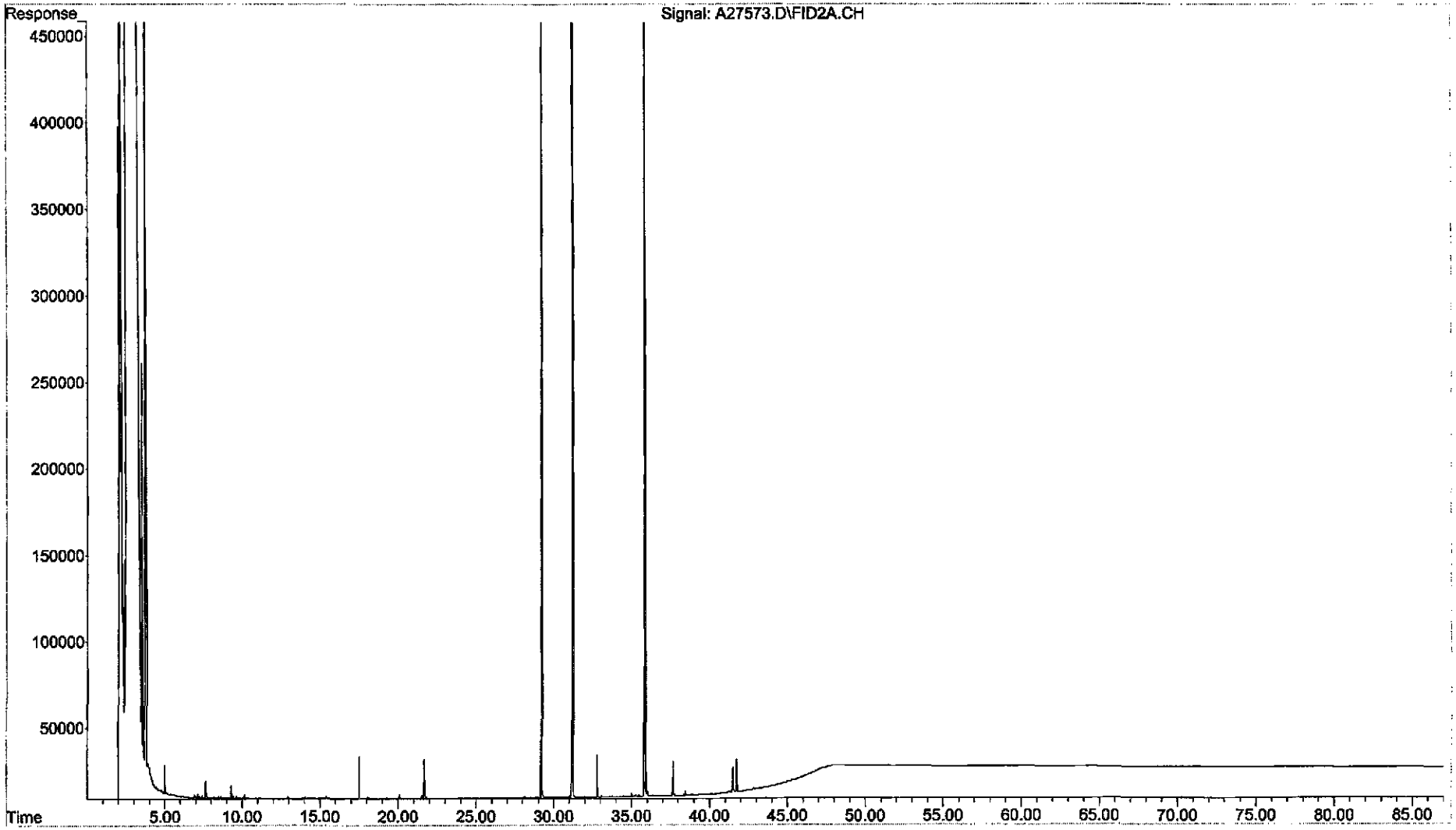
Acquired : 10 Dec 2007 5:48 pm using AcqMethod FRBIO2A.M
Instrument : PAH2
Sample Name: TS112107B03-AFID
Misc Info : 1X ETR0711080
Vial Number: 54



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Acquired : 10 Dec 2007 7:28 pm using AcqMethod FRBIO2A.M
Instrument : PAH2
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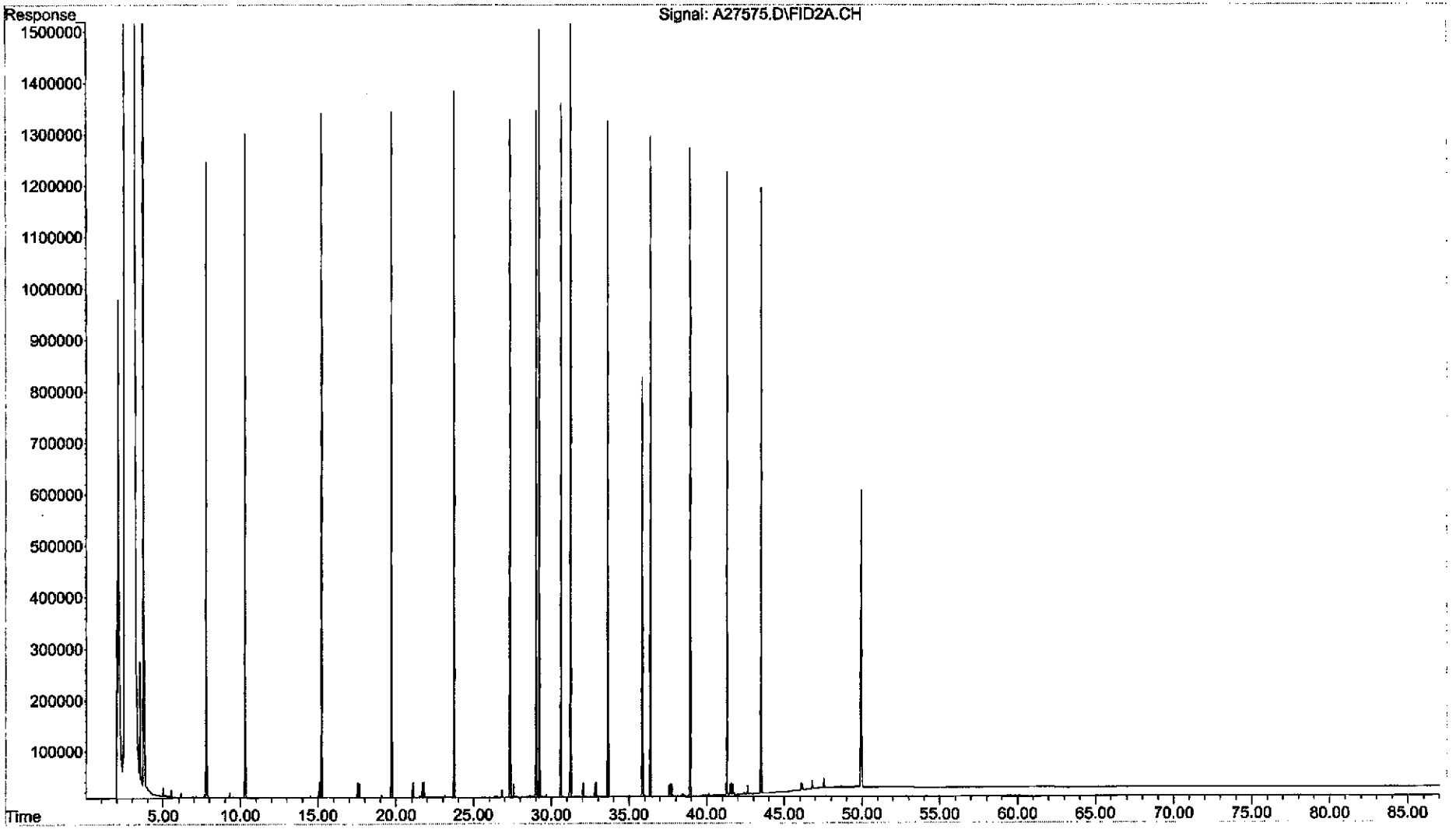
Vial Number: 55



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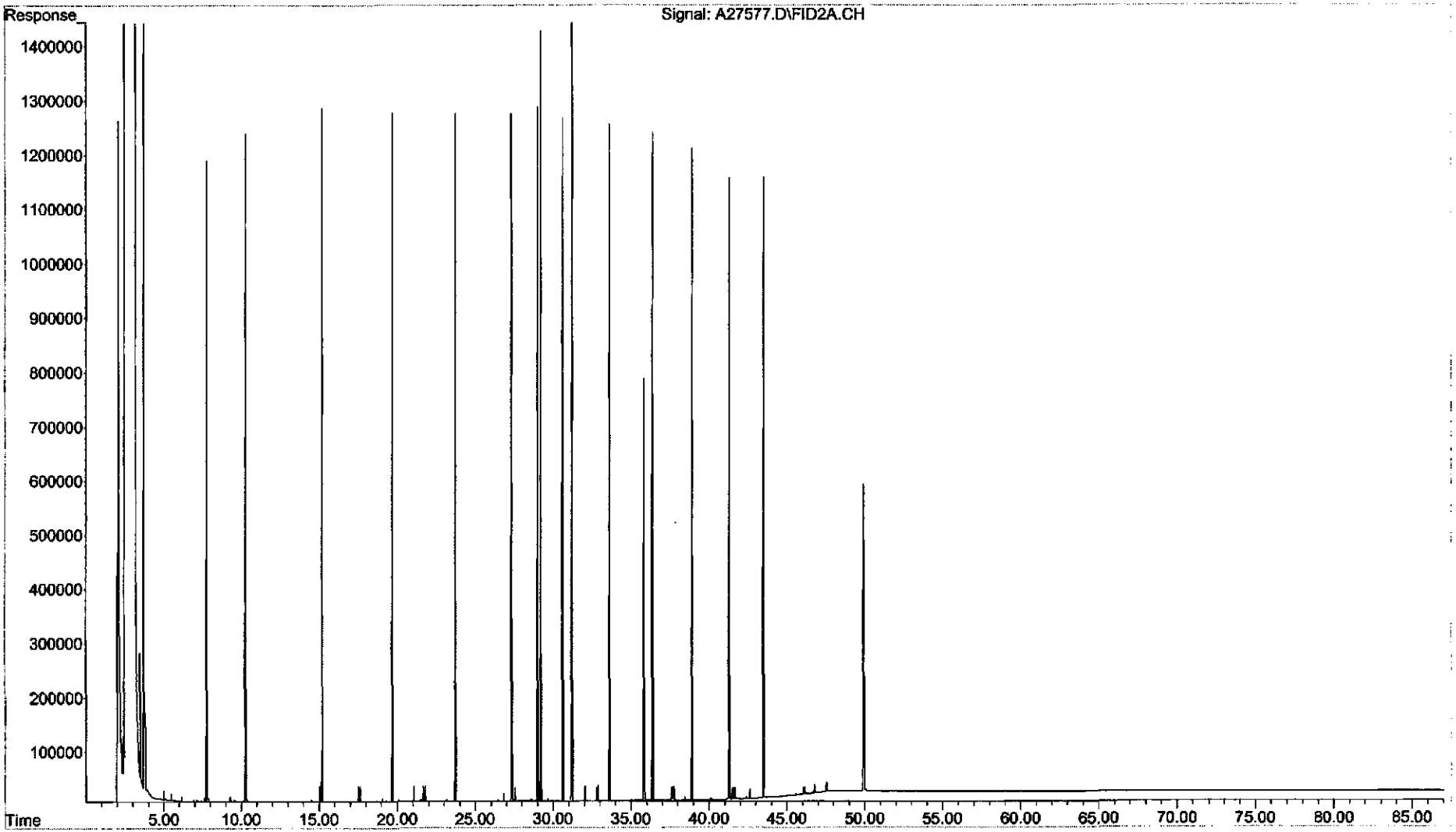
Operator : AC
Acquired : 10 Dec 2007 9:08 pm using AcqMethod FRBIO2A.M
Instrument : PAH2
Sample Name: TS112107LCSD03-AFID
Misc Info : 1X ETR0711080
Vial Number: 56



Jackie Key/SW/OPC/DEQ
12/06/2007 03:48 PM

To Tony Russell/HW/OPC/DEQ@DEQ
cc Nick Gatian/FS/OPC/DEQ@DEQ, Eric Bass/FS/OPC/DEQ@DEQ, Beverly Ashmore-Bates/FS/OPC/DEQ@DEQ
bcc
Subject Fw: aa34768

History: This message has been replied to.

Guys,

The results of the analyses indicated that this sample is contaminated primarily with Diesel. There is only a very slight trace of compounds found in gasoline and although the results did not indicate any creosote compounds a few Polynuclear Aromatic Hydrocarbons (PAH) were detected. PAHs are produced as combustion by products of hydrocarbons so the presence of PAHs indicate that the diesel was probably a waste product or it was used as a solvent to clean automobile parts. Being that this site was so close to a facility that repaired cars, this would seem logical.

If we can assist further, please contact Beverly or myself.

Jackie

Jackie Key
Laboratory Director
Mississippi Department of Environmental Quality
1542 Old Whitfield Rd.
Pearl, MS 39208
Phone 601 664-3910
Fax 601 664-3938

----- Forwarded by Jackie Key/SW/OPC/DEQ on 12/06/2007 03:30 PM -----

Beverly Ashmore-Bates/FS/OPC/DEQ
Sent by: Beverly Ashmore
12/06/2007 03:21 PM

To Jackie Key/SW/OPC/DEQ@DEQ
cc
Subject aa34768

After Mass spectra analysis of volatiles and semi-volatiles and gc analysis of diesel fuel extract, we determined the sample is a perfect chromatographic pattern of diesel fuel. Semi-volatile analysis did not identify 2,3, or 4 methyphenol(Cresol). Semi-volatiles also determined the sample was highly contaminated with homologous series of *aliphatic hydrocarbons*(C11-C25). Btex analysis showed trace amounts of M&P xylenes and O-xylene.

Beverly Ashmore Bates
MS Dept of Environmental Quality
601-664-3900(office)
601-664-3938(fax)

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, MS

FROM: Tony Russell 12/6/07

DATE: December 6, 2007

SUBJECT: Annual Sampling Event December 2007

I met with Brad Blalock (Michael Pisanti & Associates) on January 3, 4 and 6, 2007, to observe and collect split sample during the annual groundwater sampling event. The wells were purged using the slow purge method with a variable speed peristaltic pump. The stabilization parameters were collected using a flow through cell. Once the parameters were stabile, the samples were collected using the peristaltic pump. A minimum of one well volume was removed prior to collection of the groundwater sample.

I collected a split on monitor wells 15 and 9R. The samples will be analyzed for PAHs at the OPC lab in Pearl. MS.

Sherri Jones with the Forest County Environmental group had told Mr. Brazile to not allow anyone access to collect sample from monitoring well on his property. MS Code 49-17-21 gives MDEQ the authority to access private or public property for the purpose of inspecting and investigating conditions relating to pollution. MDEQ used that authority to access MW-8 and collect groundwater sample on December 6 at 8 am. Mr. Brazile was advised of the law regarding access and shown language regarding the law. Mr. Brazile complied and allowed us to access his property and collect sample. Mr. Brazile requested that he be notified prior to the next sampling event. I got his phone number and agreed.

No photos were taken during this sampling event.

Invoice

Invoice Number:
Date: January 10, 2007

OFFICE OF POLLUTION CONTROL
LABORATORY
1542 Old Whitfield Road
PEARL, MS 39208
PHONE: (601) 664-3900

To:
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNCONTROLLED SITES SECTION VOLUNTARY
EVALUATION PROGRAM
P. O. BOX 10385
JACKSON, MS 39289

Ship to (if different address):
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNCONTROLLED SITES SECTION
VOLUNTARY EVALUATION PROGRAM
2380 HWY 80 WEST
JACKSON, MS 39204

QTY.	DESCRIPTION	UNIT PRICE	TOTAL
2	SVOA SAMPLE ANALYZED, Gulf States Creosote Sample Number 34850 & 34851; VEP #40470048	$425.00	$850.00
	Subtotal (Sheet Total)		$850.00

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Tony Russell, Henry Fulmar

FROM: Eric Bass

SUBJECT: Timothy Lane in Hattiesburg

DATE: 11/27/2007

On Friday, 11-16-07, Chad Seymour and I sampled the unknown substance for Hydrocarbon ID, Metals, and Semi-volatiles as requested. The area of concern is approximately 100 square feet in size, which is separated by a culvert that is under an abandoned railroad track. I dug down approximately one foot and found the ground still saturated at that depth.

While we found no obvious source of the material, I inquired about the substance at the nearby Ford dealership. I spoke with Todd Mixon, Business Manager, he stated that about three months ago somebody behind the dealership was doing some type of dirt work and came across creosote still in the ground. When asked what he thought the substance was, he assumed it was creosote. Tony Russell reported that this work was part of the cleanup of the site by the Tronox/DEQ contractor.

For questions, comments or further assistance you may contact me at 228-432-1056 x109.

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1	Council - Ward 2	Council - Ward 3	Council - Ward 4	Council - Ward 5
Kim Bradley	*Deborah Denard Delgado*	*Carter Carroll*	*Dave J. Ware, II*	*Henry Naylor*

November 16, 2007

Mr. Tony Russell
Office of Pollution Control
MS Department of Environmental Quality
P. O. Box 20305
Jackson, MS 39289-1305

RE: Black Substance on Timothy Lane, Hattiesburg, MS

Dear Mr. Russell:

According to an article appearing in the Hattiesburg American and as we discussed via a phone conversation, MDEQ's initial assessment has concluded that the black substance found at the end of Timothy Lane was not creosote but motor oil instead. Because this area is on or near the Gulf States Creosote site, I would respectfully request that you submit these findings in writing via email, fax or regular mail.

Further, it is my understanding that on or about December 3, 2007, there will be a monitoring visit to the Gulf States Creosote site here in Hattiesburg. Please give me a courtesy call and let me know when you expect to arrive and the projected scope of the activities to be conducted. Should you have any questions, do not hesitate to give me a call at (601) 545-4541.

Kind Regards,

Franklyn L. Tate

Copy: Mayor Johnny DuPree
Bennie Sellers
Jerry Cain
Gloria Tatum

MICHAEL PISANI & ASSOCIATES, INC.
Environmental Management and Engineering Services

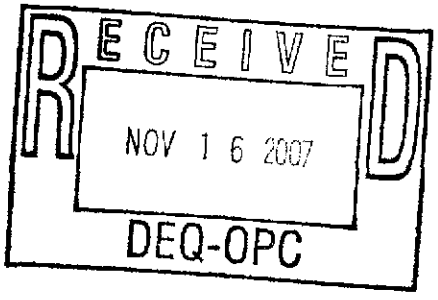
13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
Telephone (281) 242-5700
Facsimile (281) 242-1737
dangle@alltel.net

1100 Poydras Street
1430 Energy Centre
New Orleans, Louisiana 70163
Telephone (504) 582-2468
Facsimile (504) 582-2470
m.pisani@ix.netcom.com

18163 East Petroleum Drive
Suite B
Baton Rouge, Louisiana 70809
Telephone (225) 755-2250
Facsimile (225) 755-2259
cmfetters@ix.netcom.com

November 15, 2007

Mr. Tony Russell
Assessment Remediation Branch
MDEQ Office of Pollution Control
101 Capitol Centre
101 West Capitol Street
Jackson, Mississippi 39201



Re: *Removal Action Report*
Northeast Drainage Ditch
Hattiesburg, Mississippi

Dear Mr. Russell:

Enclosed are two copies of the referenced document and two copies of the as-built drawings for the northeast drainage ditch project. With the exception of minor modifications documented in the report, the project was completed in accordance with the MDEQ-approved *Removal Action Work Plan.*

As we discussed today, Tronox will submit the *Remedial Action Report* for the Gulf States Creosoting site by December 15, 2007. We appreciate MDEQ allowing us additional time to complete and submit this document due to extenuating circumstances.

Should you have any questions or wish to discuss the enclosed report, please contact me.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove, P.G.

cc: Keith Watson – Tronox

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, MS

FROM: Tony Russell DTR 11/16/07

DATE: November 9, 2007

SUBJECT: Timothy Lane Staining

Gloria Tatum received a call from Franklyn Tate (City) regarding staining in the ditch at the end of Timothy Lane on November 8, 2007 late in the afternoon. No one from MDEQ was available to go inspect the suspect area. Franklyn was told by the local activist group that the stained soil was creosote. Hattiesburg American was called and showed up to take pictures and do an article for the local paper.

A local Brownfield Consulting Firm was contacted to inspect the site for MDEQ on Friday – November 9. The inspector took pictures of the stained soil and reported that the staining was used motor oil and not creosote. Photos of the inspection by the consultant are attached.

November 13, 2007 – Ken Whitten and I inspected the stained area and also determined that the stained area was used motor oil and not creosote. Reuben Mees with Hattiesburg American called me on November 13 after he received a call from Tronox regarding his article. I informed Reuben that the staining was used motor oil and not creosote. Attached is another article from the Hattiesburg American informing the public that the stained area is used motor oil and not creosote.

SRO will be contacted to conduct a follow up inspection and make contact with Courtesy Ford regarding oil stained soil present on their property.

Timothy Lane
Hattiesburg, MS.
11-15-07

Complaint - stained soil
→ used motor oil
& not creosote

Motor oil, not creosote, found on Timothy La

From staff reports

Mississippi Department of Environmental Quality officials have ruled that a black substanc week was motor oil and not creosote as environmental activists believed it to be.

Tony Russell of MDEQ's groundwater assessment division said officials visited the site pre Both determined the substance in question was motor oil that had been dumped out. It ma locations via a culvert that runs under an abandoned rail spur.

MDEQ is still investigating how the m located in the heart of the now-defun was the subject of a lengthy lawsuit.

Environmental activists with the Forre Team, who have said they have beer substance to the Hattiesburg Americ

Local officials are preparing to condu area to determine if there are any trac cleaned up.

STORYCHAT Post a Comment

This article does not have any comments associated with it

Originally published November 13, 2007

Timothy LANE
Hattiesburg, MS.

11-9-07
9 to 10 AM

Distinct odor still remains

By REUBEN MEES

The distinct smell of naphthalene, the active ingredient in moth balls and one of several compounds in creosote, lingered at the end of Timothy Lane late Thursday despite more than three years of work to remove creosote from the area.

The odor was strongest around two black pools of suspected creosote on either side of an abandoned rail spur that once led to the Gulf State Creosoting site.

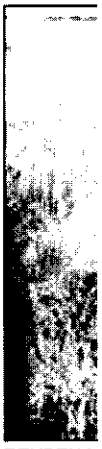
"We've been monitoring this for some time. We check it every week, but this is the first time we've seen it like this," said Sherri Jones, an organizer of the Forrest County Environmental Support Team, which has been fighting for residents' rights in the ongoing environmental contamination case.

Mississippi Department of Environmental Quality and the chemical company Tronox, which never operated Gulf States but has accepted responsibility for cleanup costs, began a remediation project in 2004 and wrapped up this summer.

When they left, MDEQ officials acknowledged some creosote remained under buildings on the Courtesy Ford property but said that was contained and would not migrate.

Franklyn Tate, general manager of the city's public services department, said he planned to contact MDEQ officials.

"I'm going to have to contact DEQ immediately, given they have oversight of the cleanup" Tate said. "An evaluation will have to be made at that point if it is



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residual creosote creeping from a source underground. At that point, a determination can be made as to what we do next."

While MDEQ and Tronox have said their work is complete, local officials and members of FCEST are still addressing the problem.

Earlier this week, Hattiesburg City Council approved a proposal by Apex Environmental Consultants to test more locations, especially in areas of the predominantly black neighborhood that were not addressed in the original cleanup process.

Cost to drill 40 new test holes could reach about $50,000, City Council President Kim Bradley said.

While Forrest County Supervisors and possibly the Hattiesburg Public School District, which maintains the property as 16th Section land, may help bear the financial burden, Bradley said he believes it will ultimately fall back on Tronox.

"I feel the people who participated will be reimbursed," he said.

Originally published November 9, 2007

hattiesburg american

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Friday, November 9, 2007

Print this image

ATSDR Record of Activity

UID #: r 1 w0 Date: 10 / 18 / 07 Time: 10:00 am X pm

Site Name: Gulf States Creosote Site City: Hattiesburg Cnty: State: MS
CERCLIS #: Unknown Cost Recovery #: 4OJA Region: IV

Site Status (1) _ NPL _ Non-NPL _ RCRA _ Non-Site specific _ Federal
(2) _ Emergency Response _ Remedial _ Other

Activities

_ Incoming Call _ Public Meeting* _ Health Consult* _ Site Visit*
_ Outgoing Call _ Other Meeting _ Health Referral _ Info Provided
_ Conference Call _ Data Review X Written Response _ Training
_ Incoming Mail _ Other

Requestor and Affiliation: (13) MDEQ/Tony Russell
Phone: 601-961-5318 Address: 101 West Capitol St.
City: Jackson State: MS Zip Code: 39201

Contacts and Affiliation

(31) Ben Moore ( )
( ) ( )

1-EPA	2-USCG	3-OTHER FED	4-STATE ENV	5-STATE HLT
6-COUNTY HLTH	7-CITY HLTH	8-HOSPITAL	9-LAW ENFORCE	10-FIRE DEPT
11-POISON CTR	12-PRIV CITZ	13-OTHER	14-UNKNOWN	15-DOD
16-DOE	17-NOAA	18-OTHR STATE	19-OTHR COUNTY	20-OTHR CITY
21-INTL	22-CITZ GROUP	23-ELECT. OFF	24-PRIV. CO	25-NEWS MEDIA
26-ARMY	27-NAVY	28-AIR FORCE	29-DEF LOG AGCY	30-NRC
31-ATSDR				

Program Areas

_ Health Assessment _ Health Studies _ Tox Info-profile _ Worker Hlth
_ Petition Assessment _ Health Surveillnc _ Tox Info-Nonprofil _ Admin
_ Emergency Response _ Disease Regstry _ Subst-Spec Resch _ Other
_ Health Consultation _ Exposr Regstry _ Health Education

Narrative Summary: Mississippi Department of Environmental Quality (MDEQ) requested the Agency for Toxic Substances and Disease Registry (ATSDR) to review the results of soil samples obtained from the northeast drainage ditch at the Gulf States Creosote Site in Hattiesburg, and provide an opinion on the public health implications associated with exposure to the contaminants detected.

Gulf States Creosote Site is a former wood treating facility located near the intersection of Scooba Street and West Pine Street in Hattiesburg, Mississippi. A Remedial Investigation conducted at the site indicated that chemicals of concern are present in the northeast drainage ditch area [1].

In the late 1980s the Corps of Engineers was investigating a site for a drainage project on the northwesterly side of Gordon Creek in Hattiesburg, and inadvertently discovered creosote oozing into the creek. This began an interest

in determining the source of creosote which continued into the 1990s. MDEQ provided oversight for Kerr McGee (now Tronox) to prepare and submit a remediation investigation work plan, and also to remediate the site.

A restaurant called Down Home Cooking is in the vicinity of the site. No environmental assessments were conducted to determine if creosote was under the Down Home Cooking Restaurant. However, an old drainage pipe extends from the northeast drainage ditch under the parking lot, and under the restaurant building. It was assumed that this pipe contained residual levels of creosote contamination, and that some contamination may have leaked from the pipe. Therefore, the drainage pipe was filled with concrete, and sealed off. The property was restricted to commercial/industrial type uses through a restriction on the deed. This restriction is intended to prevent exposure to any contaminants that may exist on the property and migration of contaminants into an underlying shallow groundwater table [2].

Another area where soil samples were obtained is about 50 feet from the site on Scooba Street. Earlier, the soil sampling results revealed the presence of PAHs ranging from 0.165 mg/kg for flourene to 16.6 mg/kg for pyrene [2]. However, the soil in this area has been excavated and back filled with clean material.

In May 2001, a baseline risk assessment was conducted to evaluate existing and/or potential risks to human health and the environment [1]. Mississippi Department of Environmental Quality collected 75 soil samples (6 to 17 inches below surface). These soil samples were both discreet and composite. Eight background samples were collected at 8 inches below surface from vacant lots in the area to determine background concentrations of polycyclic aromatic hydrocarbons (PAHs).

Currently, no standard analytical methods exist for creosote in soil samples [3]. Therefore, these soil samples were analyzed for PAHs, because PAHs are the major constituents of creosote [3]. Soil samples were analyzed for PAHs by an approved US EPA method [1]. Soil sampling analysis was performed by Argus Analytical, Incorporated [1].

The northeast drainage ditch was divided into several sections, namely:

(1) from the railroad track to Eastside Avenue;
(2) from the Wood's property to Florence Street;
(3) from Florence Street to Harrell Street;
(4) along Harrell Street to Francis Street;
(5) from Francis Street to Martin Luther King Avenue;
(6) from Martin Luther King Avenue to Francis Street apartments; and
(7) from the east fence to Charles Street.

Soil samples were collected in each section [2].

Polycyclic aromatic hydrocarbons were not detected in most (i.e., 50 of 75) of the soil samples. However, some of the soil samples obtained from near the drainage ditch revealed the presence of PAHs ranging from 0.085 milligrams/kilogram (mg/kg) for anthracene up to a maximum of 7.5 mg/kg for benzo-a-pyrene. US EPA has determined that benzo-a-pyrene is a probable human carcinogen, and that anthracene is not classifiable as to human carcinogenicity [3]. Furthermore, no PAHs were detected in background soil samples.

Soil samples obtained from sampling station Florence 025A revealed PAHs ranging from non-detect to 5 mg/kg. These soil PAHs levels detected at Florence 025A are not considered elevated, and were obtained at 12 inches below surface. Therefore, there is limited opportunity for exposure, and they do not represent a level of public health concern. Again, no PAHS were detected in the background soil samples.

Discussion:

In order for a risk of human health effects to occur, there must be a hazard and an exposure to the hazard. PAHs levels detected in soil samples ranged from 0.08 mg/kg for anthracene to 7.50 mg/kg for benzo-a-pyrene. If a 20 kg child inadvertently ingested 200 mg of this soil which contains 7.5 mg/kg of benzo-a-pyrene for each day for several months, the daily dose for the child would be 0.000075 mg/kg/day. While no health guidance values have been established for benzo-a-pyrene, this dose is at least 4 orders of magnitude below health guidance values for other PAHs with similar toxicity (3).

Furthermore, the soil sample for benzo-a-pyrene was obtained from 14 inches below surface. This is too deep for casual disturbance of the contamination. It is unlikely that a child would have access to soil that far below surface and ingest soil from the same identical spot continuously over a sufficient period of time to significantly increase their risk of adverse health effects.

Conclusions:

(1) The soil sampling results show that PAHs were not detected in about 50 of the samples.

(2) Most of the PAHs that were detected in 25 of the soil samples were below 1 mg/kg.

(3) The soil sample that contained the highest level (7.5 mg/kg)of PAHs (i.e., benzo-a-pyrene) was obtained from 14 inches below surface.

(4) Therefore, the areas sampled along the northeast drainage ditch do not pose a public health hazard under typical exposures that are likely at the location where the contamination was detected.

Recommendations:

NONE

Signature: Robert J. Williams Date: 10-18-2007

References

1. Remedial Action Work Plan, Former Gulf States Creosoting Site, Hattiesburg, Mississippi, February 14, 2000.
2. Scope of Work; Confirmation Sampling of NE Drainage Ditch; Gulf States Creosote Site, Hattiesburg, MS, May 2004.
3. ATSDR's Toxicological Profile for Creosote, (Update) September 2002.

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

November 1, 2007

Mr. Keith Watson
Tronox LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Re: Notification of Increase in Hourly Rate
Gulf States Creosote Site – Application No. 40470048
Voluntary Evaluation Program (VEP) Agreed Order No. 3381-97
Hattiesburg, Mississippi

Dear Mr. Watson:

The above referenced Agreed Order between you and the Mississippi Department of Environmental Quality (MDEQ) was reached to address requirements for the subject site to participate in MDEQ's Voluntary Evaluation Program (VEP). The hourly rate for MDEQ oversight costs was set in the Order at $75/hour, which has not been increased since the inception of the program in 1996.

After careful consideration and pursuant to Section 3(a) of the Agreed Order, MDEQ has elected to exercise its right to increase the per hour rate from $75 to $100, effective January 1, 2008. Without the increase, the program has been projected to be in the red by the end of this State fiscal year, which is June 2008. Should you have any questions or comments concerning the rate increase, please contact me at 601-961-5318.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: Mona Varner MDEQ [VIA EMAIL]

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO:	Gulf States Creosote Site File Hattiesburg, MS
FROM:	Tony Russell 9/21/07
DATE:	September 21, 2007
SUBJECT:	Well Abandonment & Replacement Activities

I met with Dave Upthegrove on September 18 to observe the abandonment of monitoring wells. MW-13 located on Patel property behind Knight's Inn was abandoned by pulling the well casing and then grouted the hole with cement/bentonite slurry. MW-7 located between Eastside Drive and railroad was abandoned in the same manner. The well casing was pulled and the well grouted with cement/bentonite slurry.

Monitoring well 9 was damaged by the city during installation of new side walk along Martin Luther King Drive. MDEQ required that the well be replaced. MW-9 was abandoned by over drilling the well casing as it could not be pulled. Once the well was over drilled, the hole was grouted from bottom to surface using a cement/bentonite grout. Upon completion of the abandonment of well 9; a new replacement well was installed about 8 feet from the old well to a depth of 29 feet. The new well has 15 feet of well screen.

Photos were taken of the field activities during this field event.

TRONOX

Name: A. Keith Watson
Title: Project Manager

Phone: (405) 775-5475
Fax: (405) 775-6562
e-mail: Keith.Watson@Tronox.com

August 30, 2007

Tony Russell, Chief
Mississippi Department of Environmental Quality
Assessment Remediation Branch
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

Re: Gulf States Creosote Site
Hattiesburg, Mississippi
Request for Extension of Time to Submit Final Report

Dear Mr. Russell:

As we have discussed, Tronox is respectfully requesting an extension on the time to submit a summary report on Site remediation as required in Section III.J. of our Agreed Order No. 4599 03.

We make this request because the scope of the report exceeds that easily accomplished in the stated 60 days. The 60-day requirement seems to be a standard requirement, whereas the Gulf States project expanded from 3 operable units to four with the addition of Gordons Creek sediment to the planned fill area, process area and NE ditch area units. During the 4-1/2 years of remedy implementation, both Tronox's and Pisani's records have been moved, stored and moved again with Tronox's office move and Pisani's impact by Hurricane Katrina.

We estimate that Singley worked at the site until around July 3, 2007, which would make the 60-day report due Saturday, Aug. 1. Due to the size and duration of the project, along with the other issues, we respectfully request an extension until November 15 to submit the report. If you have any questions or comments, please call me at (405) 775-5475.

Sincerely,

A. Keith Watson
Project Manager

Copy: D. Upthegrove - Pisani

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, MS

FROM: Tony Russell 8/30/07

DATE: August 30, 2007

SUBJECT: Fill Area – Creosote Removal from RWs

I met with Dickie (Tronox) on August 28, 2007 to observe the measuring of wells for the presence of creosote. I arrived on site at 7 am and Dickie had already checked about 40% of the wells the day before. Dickie removed the well cover and then lowered a string with a weight to the bottom of the well. If any DNAPL is present it will coat the weight and string. Dickie then measures the string to determine the amount of creosote present in that well. Dickie then recorded the water level in the well and replaced the well cover on those wells without creosote present.

Several of the wells had measurable creosote present but not more than about 3 inches. Upon completion of recording the amount of creosote if any and the water level measurements in each well, Dickie then began to pump the creosote out of the wells.

Dickie used a peristaltic pump to pump the creosote from the well into a two gallon container. Dickie had installed dedicated 3/8 inch copper tubing from the surface to the bottom of those wells with creosote present. During this event, creosote was discovered in a well that had not previously had creosote. A 3/8 copper tubing was installed in the well so that the creosote could be removed with the pump.

No photos were taken during this event.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

September 4, 2007

Mr. Keith Watson
Tronox, LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Re: Gulf States Creosote Site
Request for Extension of Time dated August 30, 2007
Hattiesburg, Mississippi

Dear Mr. Watson:

The Mississippi Department of Environmental Quality (MDEQ) has reviewed your request for extension of time to submit the final report for remediation work completed at the Gulf States Creosote site over the past 4.5 years. MDEQ grants your request for an extension until November 15, 2007.

The final closure report must include sufficient details necessary to describe all activities conducted at each area remediated. As discussed by phone, copies of all landfill manifests are not required due to the volume of material that was disposed. If you have any questions, please call me at 601-961-5318.

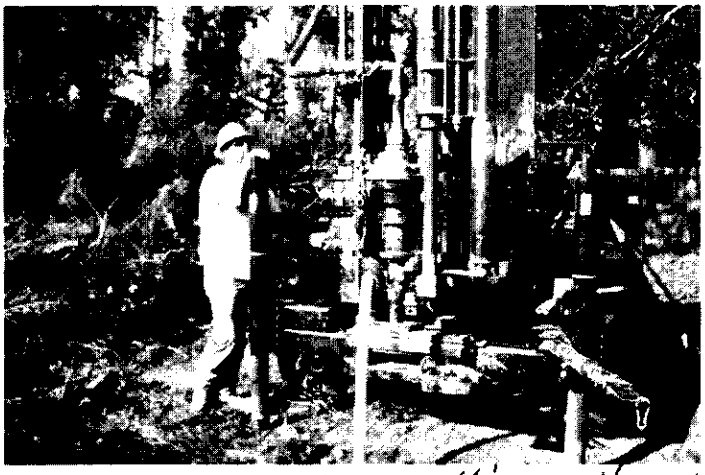
Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

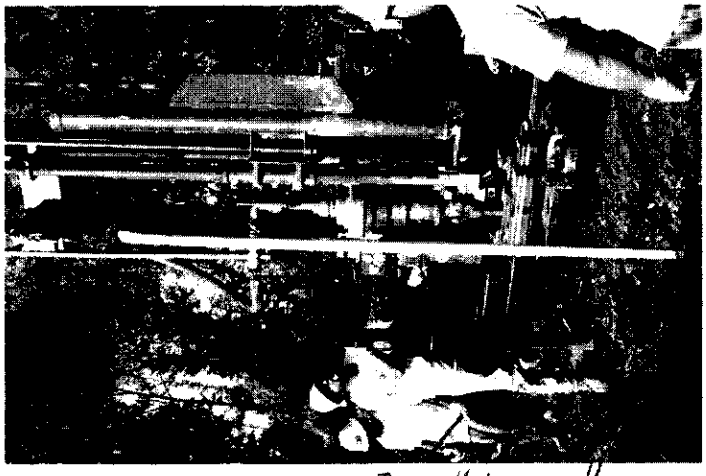
Gulf States Creosote - Hattiesburg - September 18, 2007

Well Abandonment

MW-7 grouting borehole after well abandonment



MW-13 - pulling well casing



MW-13 → pulling well casing

MW-13 mixing cement/bentonite grout

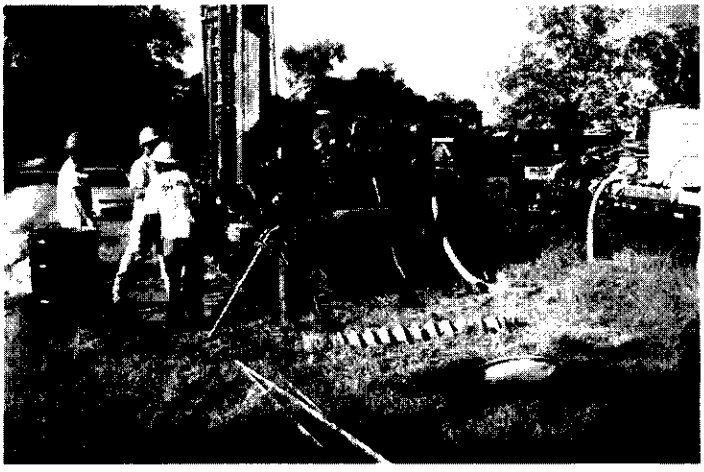
MW-7 Abandonment

MW-7

GSC site
Hattiesburg, MS.

Gulf States Creosote – Hattiesburg – September 19, 2007

MW-9 Abandonment & Replacement



New Well grouted in place

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1. Article Addressed to:

Taydip Patel
900 Broadway Drive
Hattiesburg, MS, 39401

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☐ Agent
☐ Addressee

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City, State, ZIP+4 Hattiesburg, Ms. 39401

PS Form 3800, June 2002 — See Reverse for Instructions

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

August 29, 2007

Certified Mail Receipt No. 7002 2030 0004 2843 1020

Mr. Jaydip Patel
900 Broadway Drive
Hattiesburg, MS 39401

Re: Gulf States Creosote Site
Abandonment of Monitoring Well 13
Hattiesburg, Mississippi

Dear Mr. Patel:

Per MDEQ letter dated August 10, 2007, MDEQ informed you that Monitoring Well 13 located at the rear of your property had to be abandoned and that we would notify you a minimum of 14 days prior to entry to abandon the well. Tronox has informed us that the driller has been scheduled to abandon the well on Tuesday, September 18, 2007. MDEQ will be present to ensure that the well is properly abandoned per State and Federal requirements and that the surface of the property surrounding the well is restored to its pre-well abandonment condition.

Please call me at 601-961-5318 with any questions you may have concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: David Upthegrove Michael Pisani & Associates [VIA EMAIL]
Keith Watson Tronox [VIA EMAIL]

Jerry Banks/HW/OPC/DEQ
08/22/2007 04:27 PM

To Tony Russell/HW/OPC/DEQ@DEQ
cc
bcc
Subject Fw: Article in Hattiesburg American

----- Forforwarded by Jerry Banks/HW/OPC/DEQ on 08/22/2007 04:20 PM -----

"Bock, Nick"
<Nick.Bock@tronox.com>
08/22/2007 04:04 PM

To <Jerry_Banks@deq.state.ms.us>
cc
Subject FW: Article in Hattiesburg American

Hattiesburg American
Aug. 22, 2007
Officials set to decide on firm for study

By REUBEN MEES

Members of the Forrest County Environmental Support Team and city leaders are preparing to select the firm that will provide an independent analysis of work done by Mississippi Department of Environmental Quality and the chemical company Tronox in a creosote-blighted southeast Hattiesburg neighborhood.

The group met Tuesday with Issac Edwards, an environmental scientist with the Ridgeland office of First Environment.

They had previously met with representatives of the local company Apex Environmental Consultants and must decide which of the two will receive a contract that could range from $50,000 to $100,000. The company selected will be asked to drill test holes to determine if creosote remains in the community either around a drainage ditch that has been the subject of cleanup work since 2004 or other areas that have not yet been addressed.

Tronox, formerly Kerr-McGee Chemical Corp., has been footing the bill for cleanup of the former Gulf States Creosoting site near the intersection of Scooba Street and East Side Avenue although the company never actually operated the plant that was located there from the 1930s through the early 1960s.

They also settled a decade-long lawsuit filed by the Hattiesburg Public School District and several business owners for $15 million around the time the cleanup work began.

Edwards said he would test around the ditch to make sure creosote had been adequately removed and would also like to look at additional areas that were not in the original MDEQ work plan.

"The main thing is how far did they go in remediating beyond the ditch because a lot of times the water runs over onto nearby property," Edwards said. "I would prefer to test (other sites) because back in the old days, people would dispose and dump things anywhere."

City Councilman Kim Bradley said he has spoken with an Apex representative who said he believes the problem is more extensive than MDEQ and Kerr-McGee originally identified.

"He said he has found areas that he thinks are untouched and that the plume might be bigger than we

originally thought," Bradley said. But he also noted that neither company had presented a written proposal of how much they thought testing at the site might cost.

Ward 5 Councilman Henry Naylor and Public Services General Manager Franklyn Tate, who have been coordinating recent city response to the creosote issue, agreed to seek such written proposals and bring them back to the citizens' group for further consideration.

"We appreciate all the work that is being done, but I don't think the community is in any hurry to do anything rash," FCEST organizer Sherri Jones said.

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Street, Apt. No., or PO Box No.: 900 Broadway Drive

City, State, ZIP+4: Hattiesburg, MS. 39401

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1. Article Addressed to:

Jaydip Patel
900 Broadway Drive
Hattiesburg, Ms. 39401

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X [signature] ☐ Agent ☐ Addressee

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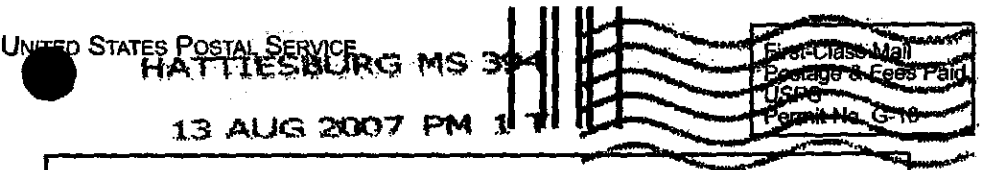
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Mississippi Dept. of Environmental
Quality
101 West Capitol St.
Jackson, Ms. 39201
Attn: Teny Russell

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

August 10, 2007

Certified Mail Receipt No. 7002 2030 0004 2843 1013

Mr. Jaydip Patel
900 Broadway Drive
Hattiesburg, MS 39401

Re: Gulf States Creosote Site
Abandonment of Monitoring Well 13
Hattiesburg, Mississippi

Dear Mr. Patel:

The MDEQ is requiring Tronox to plug and abandon the monitoring well located at the rear of your property at 900 Broadway Drive, near Gordon's Creek in Hattiesburg, MS. The well was installed in 1998 as part of investigations to determine the nature and extent of contamination for the Fill Area. The well was sampled seven times from 1998 through 2003; no contamination was ever detected in any sample collected from the well. It is MDEQ policy that wells not being used for monitoring purposes be abandoned per State and Federal guidance.

MDEQ will be onsite during well abandonment to ensure that the surface of the property surrounding the well is restored to its pre-well abandonment condition before the work is considered complete (e.g., no rutting, no materials left onsite, etc.). MDEQ will provide you with written notification a minimum of 14 days prior to entry to abandon the well.

Please call me at 601-961-5318 with any questions you may have concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: David Upthegrove Michael Pisani & Associates

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

FILE COPY

July 31, 2007

Mr. Dave Upthegrove, P.G.
Michael Pisani & Associates, Inc.
13313 Southwest Freeway
Suite 221
Sugar Land, TX 77478

Re: Gulf States Creosote Site
Hattiesburg, Mississippi

Dear Mr. Upthegrove:

The Mississippi Department of Environmental Quality (MDEQ) has reviewed your response letters concerning the *January 2007 Ground Water Monitoring Report.* MDEQ concurs with your responses. Please contact us by September 1, 2007, if access agreement to abandon wells can not be reached; to allow time for MDEQ to work out access issues prior to next annual sampling event in December 2007.

It is our understanding that the next scheduled DNAPL gauging and recovery event for the Fill Area is August 28, 2007. Please verify that the date has not changed.

Please call me at 601-961-5318 with any questions you may have.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: Keith Watson Tronox

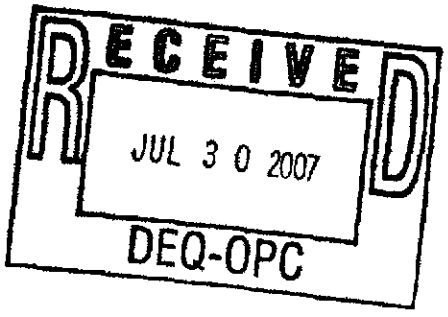
MICHAEL PISANI & ASSOCIATES, INC.
Environmental Management and Engineering Services

13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
Telephone (281) 242-5700
Facsimile (281) 242-1737
dangle@alltel.net

1100 Poydras Street
1430 Energy Centre
New Orleans, Louisiana 70163
Telephone (504) 582-2468
Facsimile (504) 582-2470
m.pisani@ix.netcom.com

18163 East Petroleum Drive
Suite B
Baton Rouge, Louisiana 70809
Telephone (225) 755-2250
Facsimile (225) 755-2259
cmfetters@ix.netcom.com

July 27, 2007



Mr. Tony Russell
Assessment Remediation Branch
MDEQ Office of Pollution Control
101 Capitol Centre
101 W. Capitol Street
Jackson, Mississippi 39201

RE: Responses to July 16, 2007 MDEQ Comments
January 2007 Ground Water Monitoring Report
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Dear Mr. Russell:

MDEQ provided comments on the referenced document to Keith Watson of Tronox in a letter dated July 16, 2007. At the direction of and with input from Mr. Watson, Michael Pisani & Associates (MP&A) has prepared the following responses on behalf of Tronox:

1. **Section 2.1 – Abandonment of monitor well 13. MDEQ requires that the well be abandoned prior to the next sampling event scheduled for December 2007. It is MDEQ policy that wells not being used for monitoring purposes shall be abandoned per State and Federal regulations. MDEQ request inclusion in all correspondence with lease holder regarding access. MDEQ will work with Tronox to obtain access for abandonment of the well 13.**

   Tronox is currently attempting to obtain contact information for the owner of the Knight Inn (formerly the Ramada Inn) at 900 Broadway Drive in Hattiesburg. Given our past difficulties obtaining access to sample the well, Tronox may require assistance from MDEQ.

2. **Section 2.2.3 – the ground water samples to be analyzed for PAH should be collected prior to collection of the geochemical samples.**

Tronox response:

MP&A has always collected biogeochemical samples first because EPA guidance suggests collecting samples to be analyzed for dissolved gases after volatile organics but before semivolatile organics. During future monitoring event, MP&A will collect samples for methane analysis first, samples for PAHs second, and samples for all other biogeochemical analyses third.

3. **Section 4.2 – Monitoring Well Network – the abandonment and replacement of MW-9 should be conducted at the same time that MW-13 is abandoned. Please provide MDEQ with a minimum of two week notice prior to conducting the work.**

Tronox response:

As soon as access is obtained from the owners of the Knights Inn, we will schedule both the abandonment of MW-13 and the replacement of MW-9. MDEQ will be provided a minimum of two weeks notice.

4. **Section 5 – Summary and Conclusions – Per recent conversations with the City of Hattiesburg, the City ordinance only restricts the installation of wells (permit is required) and not the use of the groundwater. GARD does not have a copy of the ordinance; therefore, contact the City for any required revisions to the language prior to the next sampling event.**

Tronox response:

An addendum to the *January 2007 Ground Water Monitoring Report* was submitted to MDEQ on July 23, 2007, with a copy to the City of Hattiesburg. The purpose of the addendum was to provide clarification on the subject of ground water use restrictions in the City of Hattiesburg.

5. **Figure 3-3 – MW-7 has never shown any contamination and therefore should be plugged and abandoned when MW-13 is abandoned. MDEQ has already approved a plug and abandonment work plan for the previous wells that were abandoned so no work plan is required.**

Tronox response:

MW-7 will be plugged and abandoned at the same time work is completed at the MW-9 and MW-13 locations.

Should you have any questions or wish to discuss any of our responses, please contact me or Keith Watson.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove, P.G.

cc: Keith Watson – Tronox
Jami Poor - Tronox

MICHAEL PISANI & ASSOCIATES, INC.
Environmental Management and Engineering Services

13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
Telephone (281) 242-5700
Facsimile (281) 242-1737
dangle@alltel.net

1100 Poydras Street
1430 Energy Centre
New Orleans, Louisiana 70163
Telephone (504) 582-2468
Facsimile (504) 582-2470
m.pisani@ix.netcom.com

18163 East Petroleum Drive
Suite B
Baton Rouge, Louisiana 70809
Telephone (225) 755-2250
Facsimile (225) 755-2259
cmfetters@ix.netcom.com

July 23, 2007

Mr. Tony Russell
Assessment Remediation Branch
MDEQ Office of Pollution Control
101 Capitol Centre
101 W. Capitol Street
Jackson, MS 39201

Re: Addendum to *January 2007 Ground Water Monitoring Report*
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Dear Mr. Russell:

On behalf of our client, Tronox LLC, Michael Pisani & Associates, Inc. (MP&A) is pleased to provide this addendum to the referenced report. The purpose of this addendum is to provide clarification on the subject of ground water use restrictions in the City of Hattiesburg.

The original *January 2007 Ground Water Monitoring Report* (MP&A, June 29, 2007) referred to a City ordinance "prohibiting the development and use of ground water resources within the City limits" in three different sections: the Executive Summary, Section 3.2 (Ground Water Analytical Results), and Section 5.1 (Summary and Conclusions). After reviewing the document, Mr. Franklyn Tate, representing the City of Hattiesburg, called and informed us that while the ordinance establishes rules and regulations for ground water use, it does not specifically "prohibit" its use. Among other things, City Ordinance No. 2795 requires that:

- No private well shall be connected in any manner with the City's water and sewer system;
- Any private well must conform to the requirements of the applicable sections of the Mississippi Code;
- The owner of any private well shall be responsible for complying with all applicable health codes and regulations;

- The owner of any private well shall sample and test the water from the well "for quality and presence of contaminates and suitability for human consumption" within 10 days of the well being drilled, and shall file test results with the City within 30 of the well being drilled; and
- Any private well shall be tested and the results shall be filed with the City on an annual basis.

All future Ground Water Monitoring Reports will contain the following language:

"It has been determined through a search of public records and a door-to-door survey that no private wells exist within or near the area containing affected ground water. Furthermore, City of Hattiesburg Ordinance No. 2795 establishes rules and regulations that ensure that affected ground water within the City limits will not be used or developed."

Should you have any questions or wish to discuss our this addendum, please contact us.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove, P.G.

cc: Keith Watson – Tronox
Franklyn Tate – City of Hattiesburg

MICHAEL PISANI & ASSOCIATES, INC.
Environmental Management and Engineering Services

13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
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1430 Energy Centre
New Orleans, Louisiana 70163
Telephone (504) 582-2468
Facsimile (504) 582-2470
m.pisani@ix.netcom.com

18163 East Petroleum Drive
Suite B
Baton Rouge, Louisiana 70809
Telephone (225) 755-2250
Facsimile (225) 755-2259
emfetters@ix.netcom.com

February 5, 2007

Mr. Tony Russell
Assessment Remediation Branch
MDEQ Office of Pollution Control
101 Capitol Centre
101 W. Capitol Street
Jackson, Mississippi 39201

RE: Responses To January 30, 2007 MDEQ Comments
2005 Ground Water Monitoring Report
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Dear Mr. Russell:

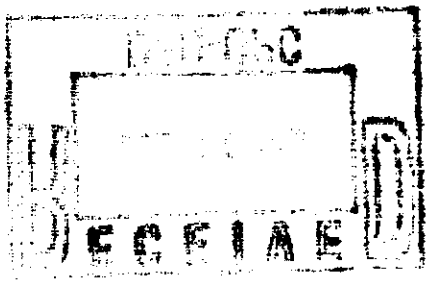
MDEQ provided comments on the referenced document to Keith Watson of Tronox in a letter dated January 30, 2007. At the direction of and with input from Mr. Watson, Michael Pisani & Associates (MP&A) has prepared the following responses on behalf of Tronox:

1. **The report did not contain a plume map. Future reports must contain a plume map showing the extent of contamination detected in the monitoring wells.**

   Tronox response:

   Based on preliminary comments you provided in a January 23, 2007 email, MP&A emailed you a plume map on January 24, 2007 (see attached). As we discussed, the plume is mostly unchanged in size and shape, except that naphthalene concentrations in upgradient wells MW-4 and MW-1R in the Process Area plume and downgradient wells MW-12 and MW-14 in the Fill Area plume continue to show decreasing trends. Although several target constituents continue to be reported in well MW-15 (at concentrations below the Tier 1 TRGs), we do not believe that these detects are site related because naphthalene is not and has never been present in that well.

   A plume map will be provided with all future Ground Water Monitoring Reports.


RECEIVED

2. **MDEQ does not concur with the proposal to eliminate the damaged well MW-9 from the annual sampling events. MDEQ requires that either MW-9 be repaired or replaced. This well is the most down gradient well within the plume and is needed to monitor the degradation rate.**

   Based on your preliminary comments, we discussed the need to replace this well. It was our opinion that given the presence of plume-defining wells MW-20, MW-21 and MW-22, along with a number of wells within the plume, the replacement of MW-9 was not entirely necessary. You indicated that MDEQ wanted the well repaired or replaced to monitor degradation rates in the most downgradient portion of the plume.

   Tronox will plug and abandon the existing well and install a replacement well with 90 days of this letter.

3. **MDEQ requires that MW-13 be abandoned when MW-9 is either repaired or replaced. MDEQ had previously approved the abandonment of this well. MDEQ can provide assistance in obtaining access for abandonment.**

   Tronox will attempt to obtain access from the surface leaseholder in order to plug and abandon MW-9. Given our past difficulties obtaining access, Tronox may require assistance from MDEQ.

4. **All future monitoring reports are due by April 1 of the following year; for example, the 2006 annual report is due by April 1, 2007.**

   All future Ground Water Monitoring Reports will be submitted prior to April 1 of the following year.

In addition to the above responses, Tronox plans to conduct quarterly DNAPL gauging and recovery events on the following dates:

- February 22, 2007;
- May 22, 2007;
- August 28, 2007; and
- November 6, 2007.

If any of the above dates change for any reason, Tronox will provide a minimum of two weeks notice, or as much notice as possible in case of emergency.

Should you have any questions or wish to discuss any of our responses, please contact me or Keith Watson.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove, P.G.

cc: Keith Watson – Tronox
Dickie Allison - Tronox

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

July 16, 2007

Mr. Keith Watson
Tronox, LLC
P. O. Box 268859
Oklahoma City, OK 73126-8859

Re: Gulf States Creosote Site
January 2007 Ground Water Monitoring Report dated June 29, 2007
Hattiesburg, Mississippi

Dear Mr. Watson:

The Mississippi Department of Environmental Quality (MDEQ) has reviewed the above referenced plan prepared by Michael Pisani & Associates, Inc. The review generated the following comments:

1. Section 2.1 – Abandonment of monitor well 13. MDEQ requires that the well be abandoned prior to the next sampling event scheduled for December 2007. It is MDEQ policy that wells not being used for monitoring purposes shall be abandoned per State and Federal regulations. MDEQ request inclusion in all correspondence with lease holder regarding access. MDEQ will work with Tronox to obtain access for abandonment of the well 13.

2. Section 2.2.3 – the ground water samples to be analyzed for PAH should be collected prior to collection of the geochemical samples.

3. Section 4.2 – Monitoring Well Network – the abandonment and replacement of MW-9 should be conducted at the same time that MW-13 is abandoned. Please provide MDEQ with a minimum of two week notice prior to conducting the work.

4. Section 5 – Summary and Conclusions – Per recent conversations with the City of Hattiesburg, the City ordinance only restricts the installation of wells (permit is required) and not the use of the groundwater. GARD does not have a copy of the ordinance; therefore, contact the City for any required revisions to the language prior to the next sampling event.

5. Figure 3-3 – MW-7 has never shown any contamination and therefore should be plugged and abandoned when MW-13 is abandoned. MDEQ has already approved a plug and abandonment work plan for the previous wells that were abandoned so no work plan is required.

Please submit a written response to these comments by August 1, 2007. If you have any questions, please call me at 601-961-5318.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

cc: Dave Upthegrove – Michael Pisani & Associates [VIA EMAIL ONLY]
Franklyn Tate – City of Hattiesburg

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

July 13, 2007

Mr. Sherri Jones
Forrest County Environmental Support Team
P.O. Box 374
Hattiesburg, Mississippi 39403-0374

Dear Mr. Jones:

The Governor's Office has asked the Mississippi Department of Environmental Quality (MDEQ) to provide a response to your request dated June 14, 2007, concerning our oversight of the Gulf States Creosote site in Hattiesburg, Mississippi, and other contaminated sites.

MDEQ has and always will continue to strive to be fair and impartial and respond promptly, courteously, and as completely as possible to questions, complaints, and requests regarding contaminated sites including the Gulf States site. In fact, MDEQ developed an Environmental Justice Strategy in January 2003 to address concerns of bias and prejudice in addressing contaminated sites which could impact minority communities. The Gulf States Creosote site was the first site where MDEQ implemented its Environmental Justice Strategy. This strategy includes providing more information to the affected communities. Concerning the Gulf States site, MDEQ held a public meeting on November 6, 2002, to advise the community of the proposed plans for remediation of the site. MDEQ held a follow-up public meeting on October 23, 2003, to inform the community of the status of the remediation. At both meetings, MDEQ staff made presentations, held question and answer periods, and provided brochures containing information on the site and questions and answers that MDEQ believed would be of interest to the community.

Upon discovery of contaminated sites, MDEQ makes every effort to be consistent given a site's specific circumstances. MDEQ takes additional steps to inform environmental justice communities of projects in their areas and actively engage the communities to assure the flow of information and effective access to the process.

OFFICE OF POLLUTION CONTROL
POST OFFICE BOX 10385 • JACKSON, MISSISSIPPI 39289-0385 • TEL: (601) 961-5171 • FAX: (601) 354-6612 • www.deq.state.ms.us
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Your request refers specifically to sites in Columbia, Picayune, Richton, Columbus, and Crystal Springs. The Columbia and Picayune sites are federal Superfund sites which means that the Environmental Protection Agency (EPA) is the agency leading the clean-up of those sites. While MDEQ is partnering with EPA in the clean-up of the Columbia and Picayune sites, the sites follow a remediation procedure which is mandated by federal law.

The Richton and Columbus sites are permitted hazardous waste facilities. At these two sites, EPA has delegated the portion of the federal hazardous waste program that is responsible for permitting and regulation of on-site regulated units such as impoundments, storage tanks, and treatment units to MDEQ. EPA has responsibility for non-regulated units such as processing areas, old landfills or dumps, other areas not specifically designated as regulated units, and off-site contamination which is not related to a regulated unit. The most significant issues at the Richton and Columbus sites involve off-site contamination. Off-site contamination at these sites is primarily EPA's responsibility because EPA has not delegated authority to regulate off-site hazardous waste contamination to MDEQ. At Richton, not only did EPA and MDEQ conduct investigations, but EPA also requested that the federal Agency for Toxic Substances and Disease Registry (ATSDR) review the data collected. ATSDR did not find any significant environmental problems at the site.

In Crystal Springs, MDEQ has been providing oversight of a site that is primarily contaminated with polychlorinated biphenyls (PCBs). This site has been particularly challenging because the plant went through numerous expansions over the years and contaminated soils were transported from the plant site to other private properties in addition to drainage pathways leading south and north of the plant site. Because there are very specific federal regulations concerning the remediation of PCBs, MDEQ consulted EPA to assure compliance with all federal regulations and requested assistance from ATSDR concerning PCB concentrations on approximately six residential properties. MDEQ held a public meeting to discuss potential problems associated with the site. The Mississippi State Department of Health provided assistance regarding the citizens' health concerns and met individually with concerned citizens.

Clearly the issues involved in cleaning up contaminated sites vary, and while there are common procedures followed in assessing and remediating contaminated sites, each site may have differing remediation approaches depending on the type and concentration of the contaminant(s), routes of exposure, land use, and other issues specific to the site.

The soil remediation of the Gulf States Creosote site was within days of completion when the City of Hattiesburg ordered Tronox (the responsible party for the cleanup) to cease its MDEQ-ordered clean-up of the site. MDEQ had already identified areas of soil contamination that required removal to protect the health of Hattiesburg citizens. Because MDEQ has a statutory duty to protect human health and the environment, it would have been a violation of this duty for MDEQ to allow the contaminated soils to remain in place. Therefore, MDEQ assumed control over the remediation of the site, hired Tronox's contractor who was familiar with the site, and proceeded with the remediation.

We understand Mayor Johnny DuPree of Hattiesburg has contacted ATSDR which has agreed to visit the site on July 17, 2007, and provide the city with a health assessment regarding the site. MDEQ welcomes ATSDR's input and will provide any information within its possession to assist ATSDR in its review. If ATSDR finds any deficiencies or oversights, MDEQ will implement appropriate corrective measures.

There have been numerous lawsuits filed regarding the Gulf States Creosote site and irregularities alleged regarding damage suits, property access, and other issues. MDEQ's role at this site was to provide oversight of the remediation to assure that the site was properly cleaned up to fulfill its mandate to protect human health and the environment. MDEQ does not have jurisdiction between the parties regarding property access or easements for remediation, damage suits for personal or property damage, or to address adverse health effects from alleged past exposures.

MDEQ will continue to fulfill its statutory duty to protect human health and the environment at the Gulf States site and all other sites in the state and will continue to exercise its statutory duty. MDEQ is sensitive to issues involving environmental justice communities and will strive to keep the channels of information open with these communities regarding potential environmental issues. Please advise me if you have further questions or if I may be of further assistance.

Sincerely,

Jerry W. Cain P.E., DEE, Director
Office of Pollution Control

JWC:pl

FAX

To: Benjamin Moore ATSDR	From: TONY RUSSELL Office of Pollution Control P. O. Box 10385 Jackson, MS 39289-0385
Phone: 404-562-1784	Phone: (601) 961- 5318
Fax: 404-562-1790	Fax: (601) 961- 5300

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

Date: July 11 ,2007 Routine X Priority

Number of pages, including this one: 10

Messages: Attached is the site summary from the RAWP.

Call me if we need to discuss, Tony

FAXFORM.WPD

HP Officejet Pro L7600 All-in-On[redacted]ries

Fax Log for [redacted]
Jere "Trey" Hess, P.E.
601 961 5300
Jul 11 2007 10:10AM

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Address: 200 Forrest Street

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STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

July 3, 2007

Mayor Johnny L. Dupree
City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39403-1898

Re: Gulf States Creosote Site
January 2007 Ground Water Monitoring Report dated June 29, 2007
Hattiesburg, Mississippi

Dear Mayor Dupree:

Please find attached a copy of the January 2007 Ground Water Monitoring Report prepared by Michael Pisani & Associates for Tronox. Per your request the attached report was submitted upon our receipt. All subsequent annual reports will also be submitted upon receipt in our office.

Please feel free to call me at 601-961-5318 if you have any further questions concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

K:\Common\UCSS\Tony\Gulf States Creosote\Correspondence\GSC 2007 GW.rpt to mayor dupree 7-3-07.doc

OFFICE OF POLLUTION CONTROL
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Suite B
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Telephone (225) 755-2250
Facsimile (225) 755-2259
cmfetters@ix.netcom.com

July 2, 2007

Mr. Tony Russell
Assessment Remediation Branch
MDEQ Office of Pollution Control
101 Capitol Centre
101 W. Capitol Street
Jackson, MS 39201

Re: *January 2007 Ground Water Monitoring Report*
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Dear Mr. Russell:

Enclosed are three copies of the referenced document (two for MDEQ and one for the City of Hattiesburg). The January 2007 monitoring results continue to indicate that constituent concentrations in site ground water have achieved steady-state or declining conditions.

Should you have any questions or wish to discuss the enclosed report, please contact me.

Sincerely,

MICHAEL PISANI & ASSOCIATES, INC.

David C. Upthegrove, P.G.

cc: Keith Watson – Tronox

STATE OF MISSISSIPPI

HALEY BARBOUR

GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO:	Gulf States Creosote Site File Hattiesburg, MS
FROM:	Tony Russell
DATE:	July 2, 2007
SUBJECT:	GSC Soil Removal – 16th Section Land

The State of Mississippi took over the project on the morning of June 21, 2007 after the City of Hattiesburg issued a cease and decease letter to Tronox. It had rained since last Friday, June 15th so no excavation work had been conducted since that time.

June 21, 2007 Thursday

Started removal back at 106 Scooba Street behind Wood's property house. Previous confirmation samples revealed some contamination above TRG level of 1 ppm for BAP. Removed 1 truck load and two track hoe buckets from between the Wood's house and the previous excavation. Then moved back over to begin excavation work behind Courtesy Ford property at the corner of Timothy Lane and NSRR row. At 9 am, Mayor Dupree showed up to request the excavation work be halted until MDEQ faxed a letter stating they took over the removal. At 10 am, removal work began again at the request of Jerry Cain (MDEQ).

0920 hours – Jerry Banks met myself, Gloria Tatum, and Dave Upthegrove for a site walk on HWY 49 south of West Pine to inspect a complaint regarding creosote contamination coming from the ROW onto HWY 49. The site walk revealed that iron algae and decaying organic material was present but no creosote contamination.

1415 hours – last truck loaded for the landfill; hauled 11 truck loads to landfill from this area. Silt fence has been installed; workers in process of seeding and laying down hay over the area.

An additional area of concern was discovered which had been unknown to all parties - a wooden trough about 2 feet width with sides. I instructed the contractor to excavate the trough and associated creosote contaminated soils. By late Friday afternoon, we were about 100 feet past southwest of Timothy Lane. It was apparent that the trough was a drainage system of some kind and was headed in a south westerly direction parallel to the railroad tracks back towards Highway 49. The excavation was being back filled with clean material right behind the removal crew. Singley contractor was instructed to call

MS One Call to clear another 600 feet.

June 22, 2007 Friday

A pile of debris was loaded and hauled to landfill from corner of Timothy Lane. The pile consisted of old asphalt, tree limbs and soil. Singley spent rest of the day seeding and spreading hay over the excavated areas. Singley to move equipment into place at the NE corner of Scooba and NSRR row for removal of contaminated soil on Monday morning. Departed site at 1020 hours for Jackson.

June 25, 2007 Monday

Began removal of soil from NE corner of Scooba and NSRR row at approximately 0800 hours. Removed 9 truck loads of contaminated soil from the area; backfilled with clean fill material, laid down a liner and then laid rock on the liner. During the entire removal process, a vacuum truck was onsite dewatering the excavated area. Shut down the project at 1800 hours for the night.

June 26, 2007 Tuesday

Installed new section of concrete culvert to replace broken section that was removed Monday during the removal of contaminated soil. Finished adding rock around the culvert then removed all equipment from the area.

1130 hours – Began removal of wooden trough and associated contaminated soil at the end of Timothy Lane. Removed another 10 truck loads prior to shutting down for the day. Approximately 100 yards beyond Timothy Lane at this point. Had contractor clear the railroad row from Timothy Lane out to HWY 49 for utilities.

June 27, 2007 Wednesday

Still following wooden trough along the NSRR row parallel to the railroad tracks; removing the wooden trough and associated creosote contamination. Loaded 17 trucks for trip to landfill today. Contractor continues to backfill excavated area as we proceed down the tracks. We are approximately 250 yards from Timothy Lane at this point. Brad Nix and James Rogers approached the construction site and were asked to remove themselves to the other side of the tracks out of the way of construction equipment.

June 28, 2007 Thursday

Still following wooden trough along the NSRR row parallel to the railroad tracks; removing the wooden trough and associated creosote contamination. Loaded 17 more trucks for trip to landfill today. Contractor continues to backfill excavated area as we proceed down the tracks. We are over 1000 feet from Timothy Lane at this point. We have determined that the trough turns behind the Toyota Dealership away from the

tracks towards the dealership. We are approximately 120 feet from the end of the trough that can be accessed without causing damage to the fence and parking lot behind the Toyota dealership.

June 29, 2007 Friday

Completed removal of contaminated soil from Timothy Lane to Toyota dealership. Loaded 5 more trucks for trip to landfill. Contractor to demobilize equipment from the site today upon completion of grading. Contractor to complete seeding and spreading hay for erosion control on Monday.

Photos were taken during the soil removal.

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, MS

FROM: Tony Russell

DATE: July 2, 2007

SUBJECT: GSC Soil Removal NSRR ROW – June 15, 2007 Visit

I met with Brad Blalock (Michael Pisani & Associates) on June 15, 2007 to observe the removal of creosote contaminated soil on NSRR row behind Courtesy Ford dealership parking lot. They were working on the last area of contamination between NSRR and Courtesy Ford property. It started raining about 2 pm which shut the project down for the day. The hole was backfilled as soon as the rain started.

The concrete drain adjacent to Scooba Street had been poured and was now complete. The soil was being graded for drainage. I informed Brad that hay and seed needed to be applied as soon as possible. Brad stated that Singley Construction was to complete that phase next.

Plan was to start back Monday on the NE corner of Scooba and the NSRR row and complete that removal if weather permitted.

Photos were taken during the soil removal.

Robbie Wilbur/Admin/DEQ
06/29/2007 09:31 AM

To Robbie Wilbur/Admin/DEQ@DEQ
cc
bcc Tony Russell/HW/OPC/DEQ
Subject Press Release: CREOSOTE CLEANUP CONTINUES IN HATTIESBURG

[redacted]

STATE OF MISSISSIPPI
HALEY BARBOUR, GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
Trudy D. Fisher, EXECUTIVE DIRECTOR

FOR IMMEDIATE RELEASE
June 29, 2007

Contact: Robbie Wilbur
601/961-5277

CREOSOTE CLEANUP CONTINUES IN HATTIESBURG

(JACKSON, Miss.) -- The Mississippi Department of Environmental Quality (MDEQ) is continuing work on the excavation of creosote in southeast Hattiesburg. The excavation of the areas of contamination previously identified on the east side of Scooba Street and the railroad, the area of the old drain line on the property formerly occupied by Mrs. Woods, and the railroad right-of-way area between Courtesy Ford and the railroad west of Scooba Street to Timothy Lane has been completed. During the removal of the contamination on the west end of the railroad right-of-way a "wooden trough" was discovered that contained some creosote and MDEQ has been removing this "wooden trough" and associated contamination.

"Our agency is committed to finding and removing contamination and will do so until we are confident that the area does not pose a health risk and the soils are reasonably and safely

removed. We appreciate Mayor Johnny DuPree, the City Council, and other city officials working with us on our mutual goals of protecting the environment and the health of residents in the area. We are continuing to cooperate with local officials, citizens, and anyone else concerned with this site, and we will be glad to review testing results that meet our protocols and that of the U.S. Environmental Protection Agency," said Jerry Cain, Director of MDEQ's Office of Pollution Control.

MDEQ staff continues to be in Hattiesburg supervising the cleanup. The newly found "wooden trough" runs under some commercial property and the agency is removing the "wooden trough" and any contamination up to the commercial property and believes it will be completed by Friday afternoon depending on weather and other factors. MDEQ will then demobilize the excavation operations and evaluate whether further remediation is required.

###

prhattiesburg2.doc

Robbie Wilbur
Communications Director
Mississippi Department of Environmental Quality
Post Office Box 20305
Jackson, Mississippi 39289
601/961-5277
601/421-5699 (c)
601/961-5715 (f)
robbie_wilbur@deq.state.ms.us

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

June 25, 2007

Mr. Franklyn L. Tate, General Manager
Department of Public Services
City of Hattiesburg
P. O. Box 1898
Hattiesburg, MS 39403-1898

Re: Seepage on HWY 49 South of West Pine Street
Hattiesburg, Mississippi

Dear Mr. Tate:

The Mississippi Department of Environmental Quality (MDEQ) conducted a site visit to the area of suspected contamination on June 21, 2007 per your conversation with Jerry Banks (GARD Division Chief). According to the layout in the pictures and your description of the location, the suspect area is located south of the intersection of HWY 49 south and West Pine Street on the east side of HWY 49 right-of-way (ROW). MDEQ site visit indicated that the area disturbed by the recent mowing of the ROW is nothing more than natural groundwater leaching from the steep slope of the ROW. The discoloration of the groundwater and associated sheen is caused by naturally degrading organic material. There was **no** visual sign or obvious odors indicating that the area is contaminated with creosote.

Please call either myself or Jerry Banks if you have additional questions concerning this matter.

Sincerely,

Tony Russell, Chief
Assessment Remediation Branch

OFFICE OF POLLUTION CONTROL
POST OFFICE BOX 10385 • JACKSON, MISSISSIPPI 39289-0385 • TEL: (601) 961-5171 • FAX: (601) 354-6612 • www.deq.state.ms.us
AN EQUAL OPPORTUNITY EMPLOYER

South of Hwy 49 & West Pine - Hwy 49 ROW June/2007

South of Hwy 495 West Pine - Hwy 49 Row June 2007

South of Hwy 49 & West Pine - Hwy 49 ROW

June 2007

Back

COPY

Article published Jun 22, 2007

Officials interrupt cleanup

By REUBEN MEES

Work to remove creosote from the soil in a southeast Hattiesburg neighborhood continued Thursday despite an effort by city officials to bring it to a halt.

Citing city ordinances that had not been followed and concerns of citizens that the cleanup that was expected to end this week is nowhere near complete, Mayor Johnny DuPree, acting Police Chief Frank Misenhelter and Ward 5 Councilman Henry Naylor converged on two sites near the intersection of Scooba Street and East Side Avenue.

They were demanding a stop to the most recent round of work, which has been ongoing for three weeks.

The creosote cleanup is part of a nearly 20-year-old dispute in which the Hattiesburg Public School District sued Tronox, formerly Kerr-McGee, and the Union Camp Paper Corp., now International Paper, which owned Gulf States Creosoting Co. when the company was liquidated and the Hattiesburg property sold.

While the officials' efforts were successful at delaying work for about an hour, the Mississippi Department of Environmental Quality took control of the project and resumed work under the state's banner.

"The bottomline was we have a statutory mandate to protect the citizens of the state. To leave it unfinished would be contrary to our mission," said Jerry Banks, chief of MDEQ's groundwater assessment and remediation.

"We believe the protection of the welfare of the citizens of the state is paramount, and we need to remove the risk those contaminants pose to the general public."

City Attorney Charles Lawrence wrote a letter late Wednesday telling Tronox, which has hired a contractor to excavate and remove the contaminated soil, to cease and desist with work because they had not obtained proper city permits.

"They should have filed a plan, gone through site plan review and obtained storm water runoff and grading permits," DuPree said as he waited at the site where excavating equipment sat idle.

But city officials allowed the work to proceed after MDEQ officials sent a letter to the administration in which they cited state law that gives them right to take over the job site and continue with the project.

While the actions of the city officials was heralded by residents of the neighborhood, the actions of the state agency didn't sit so well.

"I feel really comfortable with what the city is trying to do, but MDEQ saying there isn't any creosote over there and coming back to clean up more. Something ain't right," said John Pruitt Jr., who lives next to a 106 Scooba St. property that had been excavated once prior before crews returned Thursday to dig out more of the carcinogen.

"We feel like this is criminal," Forrest County Environmental Support Team organizer Sherri Jones said. "We've got environmental laws and ordinances. They didn't follow them and they ought to be arrested."

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

MEMORANDUM

TO:	Gulf States Creosote Site File Hattiesburg, MS
FROM:	Tony Russell DAR 6/13/07
DATE:	June 13, 2007
SUBJECT:	NS RR ROW Soil Removal

I met with Keith Watson (Tronox) and Brad Blalock (Michael Pissani & Associates) on June 12, 2007 to observe the ongoing removal of contaminated soil on the NS RR row. The contaminated area is reducing in width as it moves away from Scooba Street. The amount of gross impacted soil is considerably less than that observed along Scooba Street. They hauled about 15 truck loads of contaminated soil today to Central Landfill in McNeill, MS. The low area along the tracks was still leaching water into the open excavation. Fly ash from a local power plant was mixed with the wet soil to solidify for disposal at landfill.

The subcontractor also formed the last section of the ditch beside Scooba Street that will be concrete. Once the forms were in place, they placed a liner in the formed area. The concrete will be poured Wednesday morning at 7 am. Sherri Jones appeared around 1:30 pm and took pictures of the area that was being formed.

Bennie Sellers (City of Hattiesburg) met us on site to discuss the work across Scooba Street adjacent to Chain Electric. Bennie agreed that it would be best to close Scooba Street so that area of the ditch could be remediated. The track-hoe will have to work from Scooba Street as there is no access road from Scooba to the ditch.

Photos were taken during the soil removal.

J. Banks

Gov. Barbour requested I respond to

FORREST COUNTY ENVIRONMENTAL SUPPORT TEAM
PO BOX 374
HATTIESBURG, MS 39403-0374
MOTTO: PSALMS 51:10
CREATE INME O GOD A CLEAN HEART, AND RENEW A RIGHT SPIRIT WITIN ME

June 14, 2007

Official Request of the Governor of Mississippi

1. We F.C.E.S.T. on behalf of Black residents of the great State of Mississippi respectfully request the Governor immediately appoint a Commission to conduct an inquiry into MDEQ practices in the Black communities.

2. We ask that Gov. Barbour immediately join the other host of public officials that have requested a complete review of a chemical site located in Hattiesburg, MS known as Gulf State Creosote/Kerr-McGee/Tronox.

3. We ask the Gov. Barbour to immediately stop all work that is being performed on the old Gulf State Creosote site in Hattiesburg because of the environmental violations which have occurred and the failures of the Company to obtain the necessary permits to work on this site.

4. We are officially serving Gov. Haley Barbour notice that MDEQ and its employees have on a regular basis displayed a double standard in the Black communities and have clearly displayed a disrespect for the Black citizens of Mississippi by denying and refusing to properly communicate vital information to the minority citizens.

5. We believe the Commission will find other Black communities have been treated in the same manner as Hattiesburg, Richton, Columbia, Crystal Springs, Columbus Picayune and several other communities.

6. We respectfully request the Governor contact local public officials who have been made aware of the circumstances surrounding what we believe the record will clearly reflects has been a double standard by the very agency (MDEQ) charged with protecting all citizens of the great State of Mississippi.

7. We ask that the Governor honor his campaign promise made by Darrell Neely four years ago to visit the site of the old Gulf State Creosote/Kerr-McGee site in the minority community of Hattiesburg.

Forrest County Environment Support Team makes this request, to protect the rights of the Black citizens, their communities and the integrity of State of Mississippi, this date June 14, 2007.

"Bock, Nick"
<Nick.Bock@tronox.com>
06/12/2007 04:42 PM

To <Jerry_Banks@deq.state.ms.us>, "tony_russel@deq.state.ms.us" <Tony_Russell@deq.state.ms.us>
cc "Watson, Keith" <Keith.Watson@tronox.com>
bcc
Subject FW: Article on Hattiesburg

FYI

Our contractors has informed us that a local residents went through the fence at the RR and collected material from our excavation and ran back into the neighborhood.

Effective 1/15/2007
Nick Bock, Wood Preserving Remediation Manager
Tronox LLC
One Leadership Square, Suite 300
211 North Robinson Avenue
Oklahoma City, OK 73102
(405) 775-5110
Cell (405) 823-9574
nick.bock@tronox.com

Subject: Article on Hattiesburg

June 12, 2007

Hattiesburg residents protest land contamination
Hattiesburg American and posted on Jackson Clarion Ledger website
HATTIESBURG — A group of about 30 southeast Hattiesburg residents converged this morning to protest outside the Mississippi Center for Legal Services office where Hattiesburg School Board President Sam Buchanan works.

The residents, who are embroiled in a battle over creosote contamination on the 16th Section land they rent from the school district, said the school district failed to notify them of the environmental contamination although the district was involved in a lawsuit for more than 10

years.

Buchanan, who did not speak before the crowd, held a brief conference in the lobby of his office with leaders of the Forrest County Environmental Support Team that represents the residents.

He said the school district is willing to work with city and county officials who have committed to independent testing to determine if any creosote remains in the residential area.

Debbie Schramm
Vice President of Communications
Tronox
P.O. Box 268859, Oklahoma City, OK 73126-8859
Work: 405-775-5177
Fax: 405-775-6572
Cell: 405-830-6937

MEMORANDUM

TO:	Gulf States Creosote Site File Hattiesburg, MS
FROM:	Tony Russell
DATE:	June 11, 2007
SUBJECT:	NS RR ROW Soil Removal

I met with Dave Upthegrove and Brad Blalock (Michael Pissani & Associates) on May 31 and June 1 to observe the removal of creosote contaminated soil from the Norfolk Southern railroad (NSRR) row. Prior to removal of any soil, the rain water in the ditch had to be removed. It had rained the day before so rain water was present in the ditch. It was pumped across the Scooba Street so it could drain down the drainage ditch. Once the water was removed, the soil removal began. As the soil was removed, it was loaded directly into trucks for disposal at the Central Landfill located in McNeill, MS. Before shutting down on Friday afternoon, a clean layer of back fill was placed around the edges of the excavation in an attempt to stop groundwater from bleeding into the excavation.

WDAM-TV and activist Sherri Jones showed up about 11 am on May 31 to do an interview.

June 4, 2007 – I drove by the site while in Hattiesburg on Sunday evening and observed that the rain event the day before had filled the excavation with rain water. There was no visible sheen on the water during the visit. I phoned Dave Upthegrove to inform him that when the workers arrived Monday morning they would find the excavation full of water. I instructed him to vacuum the water and arrange disposal off-site in a permitted facility.

June 8, 2007 – I met with Brad Blalock to observe the on-going removal of contaminated soil from the NSRR row. The excavation was being back filled as soon as the contaminated soil was removed so that they would not have to deal with vacuuming rain water from any future storm events. Hay bales and silt screen had been installed around the culvert that drains under Scooba Street to keep back fill material from filling up the culvert after rain events.

Photos were taken during the soil removal.

"Watson, Keith"
<Keith.Watson@tronox.com>

06/07/2007 01:57 PM

To <Tony_Russell@deq.state.ms.us>, <Jerry_Banks@deq.state.ms.us>
cc
bcc
Subject FW: Incident Report

See attached:

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6562 (NOTE NEW FAX NUMBER!)

From: Dave Upthegrove [mailto:dupthegrove@ix.netcom.com]
Sent: Thursday, June 07, 2007 1:50 PM
To: Watson, Keith
Subject: Incident Report

Yesterday, June 8th, Brad Blalock reported that a group of approximately a dozen people gathered between the railroad tracks and our construction fencing to observe the excavation and loading of affected materials into trucks. He said that the group included Mr. Sherri Jones but that he did not recognize anyone else. This morning, Bobby Shivers, Singley's main operator and construction superintendent for the job, reported the following incident to Brad. Bobby said that as he was loading the last truck of the day that was sent to the landfill at around 3:30, he swiveled back from dropping a bucketful of material into the truck to see one of the observers, an African-American women, crossing back across the construction fencing carrying a cup containing what appeared to be soil. He said several of the other observers were holding the fence down so she could climb across it. Bobby indicated that as soon as she was back outside of the construction area, the entire crowd dispersed.

We have had construction fencing up to demark restricted areas/work zones since we began soil removal activities. It would be impossible to cross this bright orange fencing "by accident" or to think that unauthorized personnel should enter the fenced area. Nonetheless, we have taken the following additional measures: 1) Site workers have been instructed to immediately notify Brad Blalock of any incidents, especially those involving unauthorized personnel. Brad will in turn notify me immediately; 2) We will post "no trespassing" signs on the fence at the perimeter of the construction zone; and 3) We will inform the Norfolk Southern Railroad (NSRR) track superintendent when we observe unauthorized personnel on the NSRR right-of-way.

David C. Upthegrove, P.G.
Michael Pisani & Associates, Inc.

13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
(281) 242-5700 (phone)
(281) 242-1737 (fax)
(504) 481-6470 (cellular)
dupthegrove@ix.netcom.com

Robbie Wilbur/Admin/DEQ
06/07/2007 11:38 AM

To Gloria Tatum/FS/OPC/DEQ@DEQ, Tony Russell/HW/OPC/DEQ@DEQ, Jerry Banks/HW/OPC/DEQ@DEQ
cc Trudy Fisher/Admin/DEQ@DEQ, Jerry Cain/EPD/OPC/DEQ@DEQ
bcc
Subject Council, MDEQ to meet

Council, MDEQ to meet

Hattiesburg American
From staff reports

Hattiesburg City Council will have a special meeting at 9 a.m. Friday to meet with representatives of the Mississippi Department of Environmental Quality and discuss an ongoing creosote cleanup at the intersection of Scooba Street and East Side Avenue.

The chemical company Tronox is currently removing creosote from the Norfolk Southern Railroad property as part of an agreed order stemming from a lawsuit originally filed by the Hattiesburg Public School District in 1993 and settled in 2003.

Residents of the nearby neighborhood are concerned that not enough has been done to address the chemicals in the neighborhood and that they have not been adequately compensated for work done on their properties.
http://www.hattiesburgamerican.com/apps/pbcs.dll/article?AID=/20070607/NEWS01/70607005/1002

Robbie Wilbur
Communications Director
Mississippi Department of Environmental Quality
Post Office Box 20305
Jackson, Mississippi 39289
601/961-5277
601/421-5699 (c)
601/961-5715 (f)
robbie_wilbur@deq.state.ms.us

Mayor Johnny L. DuPree, Ph.D.

Council-Ward 1	Council-Ward 2	Council-Ward 3	Council Ward 4	Council-Ward 5
Kim Bradley	Deborah Denard Delgado	Carter Carroll	Dave J. Ware	Henry Naylor

June 6, 2007

Ms. Trudie Fisher
Mississippi Department of Environmental Quality
P.O. Box 10385
Jackson, MS 39289-0385

Dear Ms. Fisher:

I am inviting you to a Special Call Council Meeting on Friday, June 8, 2007, at 9:00 a.m. in the Hattiesburg Council Room, 2nd floor. We have also invited representatives from the Hattiesburg Public School District and Tronox to attend this meeting. We will be discussing concerns associated with the remediation of 16th section land by Tronox.

It will be good if all parties can sit down and discuss how to resolve concerns of the people we serve. Also, we have been meeting with the Forrest County Environmental Support Team prior to regular City Council meetings each month. Will you please send a representative to meet with us on Tuesday, June 19, 2007, at 5:00 p.m.?

Sincerely,

Johnny L. DuPree

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/kmh

June 6, 2007

Mr. Learnard L. Dickerson, MBA
U. S. Plant Relations Manager
Tronox
Post Office Box 250
Hamilton, Mississippi 39746

Dear Mr. Dickerson:

Terry Banks

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 4
ATLANTA FEDERAL CENTER
61 FORSYTH STREET
ATLANTA, GEORGIA 30303-8960

MAY - 3 2007

The Honorable Gene Taylor
Member, United States House of Representatives
701 Main Street, Suite 215
Hattiesburg, MS 39401

Dear Congressman Taylor:

Thank you for your April 10, 2007, letter to the U. S. Environmental Protection Agency (EPA), regarding the concerns of the Forrest County Environmental Support Team.

In 2003, the Mississippi Department of Environmental Quality (MDEQ) entered into an Agreed Order with Kerr-McGee, now Tronox, for a voluntary cleanup of the former Gulf States Creosoting site in Hattiesburg, Mississippi. The remediation includes areas in a residential neighborhood. EPA does not oversee state voluntary cleanup programs, but does provide technical assistance upon request.

According to Tony Russell, Chief of MDEQ's Assessment and Remediation Branch, the final portion of the remedial work in the residential neighborhood was completed April 23, 2007. No further remedial work is expected in the residential neighborhood.

The demolition referenced in your constituent's letter pertained to an old home on one of the residential properties being remediated. This property was purchased by Tronox from the former resident. MDEQ believes that Tronox has applied to the City of Hattiesburg for a demolition permit, but has not yet received the permit. The demolition is not related to the remedial work at the site.

For your information, I have enclosed a copy of a July 3, 2006, letter from EPA to Senator Thad Cochran. This letter was written in response to another inquiry from the Forrest County Environmental Support Team, and includes the history of earlier evaluations of the site by EPA and the Agency for Toxic Substances and Disease Registry.

If you have questions or need additional information from EPA, please contact me or the Region 4 Office of Congressional and Intergovernmental Relations at (404) 562-8327.

Sincerely,

J. I. Palmer, Jr.
Regional Administrator

Enclosure

cc: Trudy Fisher, Executive Director, MDEQ

Norfolk Southern Corporation
Law Department
Three Commercial Place
Norfolk, Virginia 23510-9241

A. Gayle Jordan
General Solicitor-Environmental

Writer's Direct Dial Number

(757) 823-2814
Fax: (757) 629-2607

VIA OVERNIGHT COURIER

May 7, 2007

Mr. Keith Watson
Tronox, LLC
211 North Robinson Avenue
Suite 300
Oklahoma City, OK 73102

RE: Hattiesburg, MS; NS Law File (RI34.O6-428) **ROE00069**

Dear Mr. Watson:

Enclosed is the right of entry agreement needed for Tronox to conduct the work on the AGS right of way in Hattiesburg, Mississippi.

Please have both copies executed by Tronox, date same, and return one copy to me for our file.

Sincerely,

A. Gayle Jordan

Enclosure

cc: Tony Russell
Mississippi DEQ
101 W. Capitol St.
Jackson, MS 39201

ENVIRONMENTAL RIGHT OF ENTRY AGREEMENT

Tronox LLC, formerly named Kerr McGee Chemical LLC ("Licensee"), a Delaware limited liability company, has requested that The Alabama Great Southern Railroad Company ("Company"), a Virginia corporation, grant Licensee permission to enter upon the right of way of Company (which right of way is held by easement and is referred to hereinafter as "Property") adjacent to the former Gulf Creosoting facility at Hattiesburg, Mississippi near Scooba Street and Eastside Avenue to implement remedial action by soil excavation of creosote-contaminated sediments and soils located between the railroad ballast and the previously remediated ditch as indicated on the Attachment "A" (pages 1-5) submitted to and approved by the Mississippi Department of Environmental Quality ("MDEQ").

Company, in consideration of the covenants and conditions contained in this agreement and insofar as its right, title and interest permits, grants Licensee permission to enter on the said Property for the purpose stated in the preceding paragraph, subject to the terms and conditions set forth below:

1. In consideration of Company granting its permission for the said purpose, Licensee agrees to indemnify and hold Company and any other corporation associated, controlled by or under common control with Company, and their officers, employees and agents, harmless from and against all costs, losses, claims, damages, or expenses, including attorneys' fees, arising out of any loss of life or personal injury or property loss or damage whatsoever which results from, accrues from, is connected to or is incidental to the undertakings of Licensee hereunder, unless such loss, injury or damage is solely caused by the negligence of Company.

2. a. All work done hereunder shall be done at Licensee's sole expense. The work to be done is set forth in Attachment A (pages 1-5). Such work will be done in accordance with the Health and Safety Work Plan approved by the MDEQ. Excavation work will not take place closer than eight (8) feet of the centerline of any track (commonly the toe of the ballast). The subballast extends fourteen (14) feet from the centerline of the track. (No concreting work can be done higher than 2.5 feet below the top of the rail.) After the soil and sediment excavation work is completed, Licensee agrees to backfill the excavated area with clean soil and further agrees not to create or allow any drainage condition that may be adverse to Company. Licensee's work shall not interfere with the safe and proper support of Company's roadbed and track. All work done hereunder shall occur only during daylight hours at the location of the entry.

b. Licensee shall remediate the land between the toe of the NSRR ballast and the drainage ditch between Timothy Street and Scooba Street to the MDEQ's designated cleanup standard and has stated its intention to perform an enhanced cleanup to remove soils and sediments exceeding the MDEQ's required cleanup goal of 43 mg/kg benzo(a)pyrene, in accordance with the cleanup activities set forth in Attachment A. Licensee represents that the performance of this work will eliminate the need for containment or capping of the remediated area. Licensee also represents to Company that by Licensee's performance of this work, employees of Company, National Railroad Passenger Corporation ("Amtrak") or their contractors can work safely on the right of way (both train and track maintenance operations) without the need to use any personal protective equipment as such workers will not be exposed to levels of creosote constituents that pose a health concern. This representation does not include exposure to creosote constituents associated with the creosote-treated railroad ties.

c. All work done hereunder shall be performed by Licensee with such care, diligence and cooperation of Licensee with Company personnel as will avoid accident, damage or harm to persons or property and delays to or interference with operations of Company. If the work is to be performed in the vicinity of railroad facilities, said work shall be performed in accordance with (a) the latest American Railway Engineering Association Specifications, if any, by reference hereby made a part hereof; and (b) to the entire satisfaction of Company's Division Engineer or his duly authorized representative.

d. Licensee agrees to reimburse Company promptly, upon bill rendered, for all expenses incurred by Company, resulting from or in connection with any such special engineering studies, field supervision, flagging protection or other services as Company may find necessary to perform in connection with Licensee's proposed work.

e. Previous boring samples results are attached hereto as summary of benzo(a) Pyrene Data. It is understood that boring numbers GEO-46A, 101, 103, 47A, 105, 107 and 48A are located on the Property while boring numbers 108, 109, 110, 111, 112 and 113 are on or near the cusp on the Property.

3. Company's Division Engineer W. Brad Kerchof at (205) 951-4724 or his designee track supervisor Nathan A. Wolfe at (601) 297-3571 shall be given notice not less than seventy-two (72) hours before Licensee proposes to enter upon the Property. Licensee understands that additional notice may be required if Company is to provide, at the desired time, any flagging which Company may deem necessary under Article 2 hereof.

4. This Environmental Right of Entry Agreement (a) shall not be assigned or transferred without written approval of the Company and (b) may be terminated at will by the Company or Licensee on five (5) days' written notice to the other party and shall terminate automatically six (6) months from the date of this agreement; provided, however, that termination shall not relieve Licensee, or its contractors, of any obligation or liability incurred prior to such termination.

5. As used herein, the term Licensee shall be deemed to include Licensee and its agents and contractors.

6. a. Licensee or its contractor shall secure, at its or their own expense, any permits or licenses required by federal, state, or local laws or ordinances and shall comply with all applicable laws, including (but not limited to) any laws, regulations, standards, and permit requirements relating to environmental pollution or contamination or to occupational health and safety. Licensee shall indemnify and hold harmless Company from and against any and all claims arising out of or connected with the violation, by Licensee, of any law, standard, regulation, or permit requirement.

b. If any mechanics' or materialmen's liens, or similar lien, is asserted against the property of Company, or any other property of Company, as a result of the exercise of any license herein granted, Licensee shall immediately satisfy, defend, or obtain the release of such lien, all at Licensee's expense, and Licensee shall indemnify and hold harmless Company from and against any claims arising out of or connected with such lien.

7. No work of any character shall be started on the Property until:

a. Certificates of Insurance, specifying that the policies are applicable to the particular work, have been furnished to and accepted by Company as evidence that Licensee and its Contractors maintain the following insurance coverages:

(i) Workers' Compensation Insurance in satisfaction of statutory requirements of the state where the property covered by this agreement is located. Also, Employers' Liability Insurance having limits of not less than $500,000 each accident, $500,000 per disease - policy limit, and $500,000 per disease - each employee.

(ii) Commercial General Liability Insurance having a combined single limit of not less than $2,000,000 per occurrence for all loss, damage, cost and expense, including reasonable attorney's fees, arising out of bodily injury, liability and property damage liability during the policy period. Such policy shall be endorsed to name Company, and its parent Company Norfolk Southern Railway Company ("NSRC") and Amtrak as additional insureds (i) with respect to the policies referenced in Section 7 and (ii) only to the extent liability is expressly assumed in the indemnity between the parties and shall include a severability of interests provision. In addition, Licensee's policy shall be endorsed to reflect Contractual Liability Insurance specifically relating to the indemnity provisions of this agreement. Any exclusion for construction or demolition activities (including installing wells or bore holes, but not for work done by means of a hand augur) conducted within 50 feet of railroad tracks shall be deleted from Licensee's or its contractor's policies.

(iii) In the event Licensee or its contractor cannot obtain contractual liability insurance to cover the obligations assumed under this Environmental Right of Entry Agreement, Licensee or its contractor shall procure and furnish to Company a Railroad Protective Liability Insurance Policy having a combined single limit of $2,000,000 per occurrence. Said policy shall name Company, its parent company NRC and Amtrak as named insureds.

(iv) Automobile Liability Insurance having a combined single limit of not less than $1 million per occurrence. Said policy shall name Company NSRC and Amtrak as additional insureds and shall include a severability of interests provision.

b. Company has advised the Licensee that limits, form, and substance of insurance policies and certificates of insurance are satisfactory to Company. Certificates of insurance should be forwarded to Risk Manager, Norfolk Southern Corporation, Three Commercial Place, Norfolk, Virginia, 23510. The furnishing by Licensee of such insurance and the acceptance of the same by Company is not intended to and shall not reduce, limit, affect or modify the primary obligations and liabilities of Licensee under the other provisions of this agreement.

c. Pursuant to Paragraph 7(a) (iii), if the work covered under this Agreement is to be performed within 50 feet of Company railroad tracks and licensee does not maintain the requisite contractual liability insurance coverage required under Paragraph 7(a) (iii), an original Railroad Protective Liability Insurance Policy must be furnished before any work is performed on railroad property. In the alternative, Licensee shall pay Company a flat fee of $1,000 to include the project under NS' Master Railroad Protective Liability Insurance Policy, eliminating the need for Licensee to purchase a separate railroad protective liability insurance policy for Company.

d. Authorized representatives of Licensee have met with Division Engineer Kerchof or his designee and also with a representative of Company's Communications and Signals Department to receive any instructions Company may have concerning the Licensee's activities on Company property. Licensee agrees to follow, at its expense, all such instructions, and in such manner as is satisfactory to Company.

8. All insurance described above shall be maintained until all work contemplated hereunder has been satisfactorily completed. Insurance Companies may cancel or make significant changes in the insurance by permission of the Licensee and Company, or upon giving thirty (30) days' written notice to Licensee and Company of their intent to do so.

9. Licensee shall leave the Company's property free of debris and holes in the ground that occurs as a result of the work being performed by Licensee. Restoration of Company's property to the conditions (meaning stability and levelness) preceding the work shall be completed before this agreement terminates.

10. If any of the foregoing provisions is held for any reason to be unlawful or unenforceable, the parties intend that only the specific words found to be unlawful or unenforceable are severed and deleted from this agreement and that the balance of the agreement remain a binding enforceable agreement to the fullest extent permitted by law.

11. If there is a conflict between the terms of another contract and this Environmental Right of Entry Agreement concerning this property, Licensee and Company agree that the terms of this Agreement shall control.

12. Licensee agrees to give Company a copy of final confirmatory results and its final report to MDEQ reporting on Licensee's remediation of the Property.

13. With the exception of public grade crossings, Licensee shall **not** cross the tracks of Company with any vehicle or heavy equipment unless it shall have executed such separate agreement as shall be provided by Company.

Executed in duplicate, each part being an original, this _____ day of _____, 2007.

THE ALABAMA GREAT SOUTHERN
RAILROAD COMPANY

By: _____
Title: Vice President

TRONOX LLC

By: _____
Title: _____

Attachment A
Proposed Cleanup Activities

Remediation of the ditch and adjacent land beneath the NSRR will consist of the following steps:

1. Before beginning work, Tronox and AGS must first negotiate and enter into a mutually-acceptable access agreement, MDEQ has stated its willingness to assist in negotiations on site access.

2. Make a Mississippi One Call to locate and mark any subsurface utilities in the work area.

3. Coordinate with the City of Hattiesburg with respect to truck traffic planning and work on City easements.

4. With assistance from the City, clean out the culvert beneath Scooba Street to improve flow through the drainage system.

5. Remove affected sediment and soils from the ditch/drainage area on both sides of Scooba Street. Soils in these areas will be removed to a depth of approximately 6 feet, unless visibly clean soils are encountered at shallower depths. Excavation will not extend past a depth of 6 feet unless free product or creosote-saturated soils are present.

6. Backfill both areas with clean soil and compact/shape soils for installation of drainage components. The drainage components will consist of a continuation of the concrete-lined ditch on the upstream side of Scooba street and rip-rap underlain by filter cloth on the downstream side of Scooba Street.

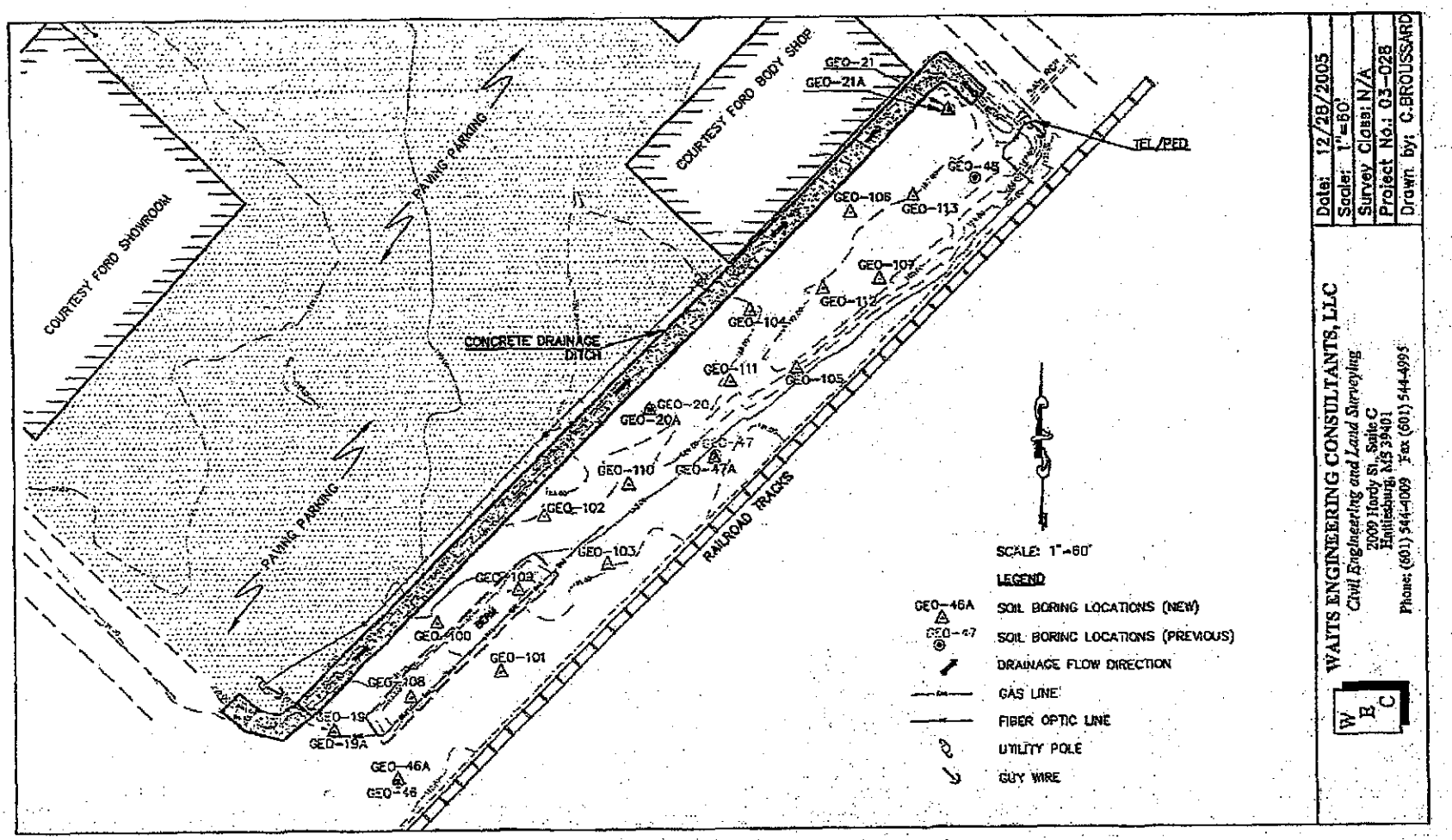
7. Remove soils exceeding 43 mg/kg benzo(a)pyrene target cleanup goal between the concrete-lined ditch and a line approximately 20 feet from the outside track of the AGS line.

8. Collect soils samples from the base and sidewalls of excavations (the number of samples will be determined in the field with input from MDEQ). Soil samples will be analyzed for PAHs by SW-846 method 8310.

9. Bring in, place and compact replacement soils to achieve final grades. Replacement soils will be shaped and sloped to drain to the concrete-lined ditch.

10. Seed excavated areas outside of ditch with Bermuda grass.

Tronox looks forward to working with AGS to ward final resolution of the Gulf States Creosoting site. Should you have any questions or require additional information, please contact me.



Site Layout with Soil Borings

Summary of Benzo(a)Pyrene Data
Southern Railroad Track Area

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Row 1

Sample ID	B(a)p (mg/kg)
GEO-19A(0-1')	24
GEO-19A(1-2')	0.065 J
GEO-19A(2-3')	0.036 J
GEO-100(0-1')	9.4
GEO-100(1-2')	**58**
GEO-100(2-3')	35
GEO-100(4-5')	**180**
GEO-100(5-6')	8.6
GEO-102(1-2')	**68**
GEO-102(2-3')	36
GEO-102(4-5')	2.2
GEO-102(5-6')	0.26
Fill to 1.5'	
GEO-20A(1.5-2')	36
GEO-20A(2-3')	26
GEO-20A(3-4')	7.4
GEO-20A(5-6')	2.7
Fill to 2'	
GEO-104(2-3')	0.18
GEO-104(4-5')	1.1
Heavily stained to 3'	
GEO-106(3-4')	16
GEO-106(5-6')	0.47
Heavily stained to 5'	
GEO-21A(5-6')	0.37

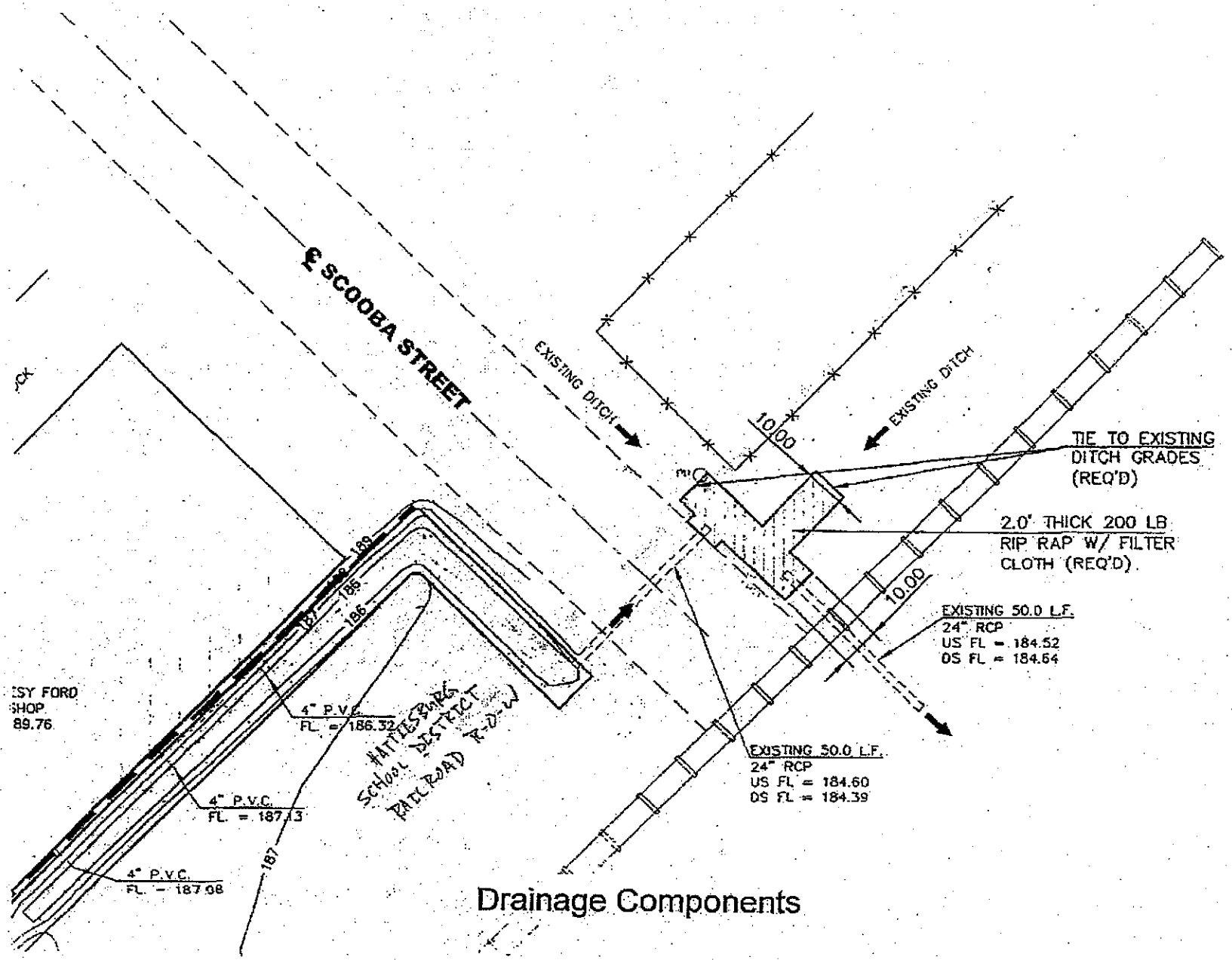
Row 2

Sample ID	B(a)p (mg/kg)
GEO-108(1-2')	**51**
GEO-108(3-4')	**64**
GEO-108(5-6')	32
GEO-109(0-1')	20
GEO-109(1-2')	ND (0.17)
GEO-109(2-3')	2.1
Fill to 2'	
GEO-110(2-3')	3.7
GEO-110(3-4')	ND (0.17)
GEO-111(1-2')	**310**
GEO-111(2-3')	7.7
GEO-111(4-5')	0.88
Fill to 1'	
GEO-112(1-2')	ND (0.17)
GEO-112(2-3')	ND (0.17)
GEO-113(1-2')	**780**
GEO-113(3-4')	1.6
GEO-113(5-6')	6.2

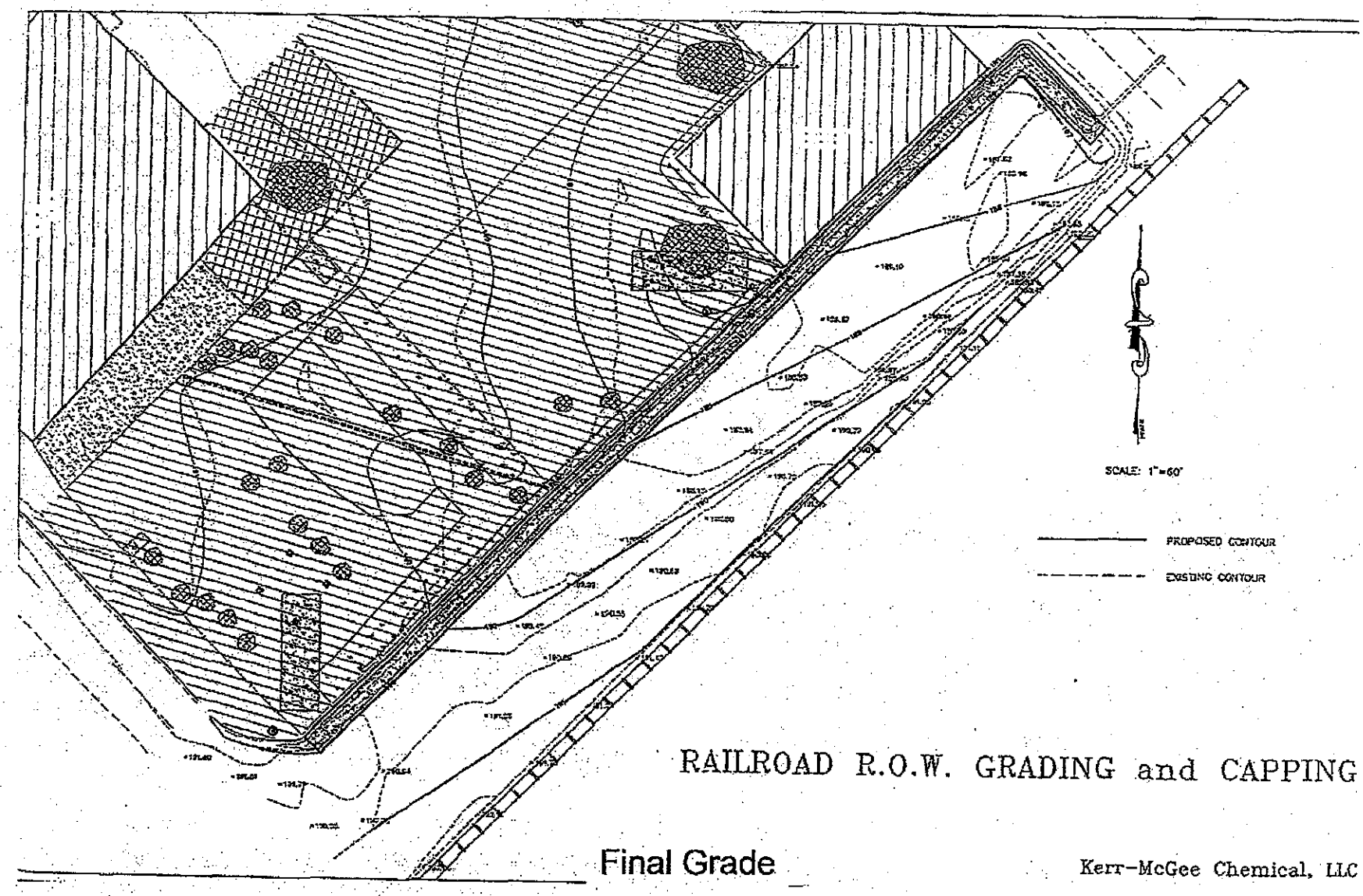
Row 3

Sample ID	B(a)p (mg/kg)
GEO-46A(0-1')	16
GEO-46A(1-2')	2.3
GEO-46A(2-3')	ND (0.17)
GEO-46A(5-6')	ND (0.17)
GEO-101(0-1')	18
GEO-101(1-2')	28
GEO-101(2-3')	ND (0.17)
GEO-101(5-6')	14
GEO-103(0-1')	0.084 J
GEO-103(1-2')	14
GEO-103(2-3')	2
GEO-103(5-6')	ND (0.17)
GEO-47A(0-1')	14
GEO-47A(1-2')	ND (0.17)
GEO-47A(5-6')	3.1
GEO-105(0-1')	21
GEO-105(1-2')	**99**
GEO-105(2-3')	29
GEO-105(5-6')	7
GEO-107(0-1')	**200**
GEO-107(1-2')	**100**
GEO-107(2-3')	0.75
GEO-107(5-6')	0.79
GEO-48A(0-1')	**400**
GEO-48A(1-2')	**190**
GEO-48A(2-3')	**48**
GEO-48A(4-5')	ND (0.17)

Note: Boxed value exceeds MDEQ proposed remediation goal of 43 mg/kg.



Drainage Components



RAILROAD R.O.W. GRADING and CAPPING

Final Grade

Kerr-McGee Chemical, LLC

FILE COPY

ENVIRONMENTAL RIGHT OF ENTRY AGREEMENT

Tronox LLC, formerly named Kerr McGee Chemical LLC ("Licensee"), a Delaware limited liability company, has requested that The Alabama Great Southern Railroad Company ("Company"), a Virginia corporation, grant Licensee permission to enter upon the right of way of Company (which right of way is held by easement and is referred to hereinafter as "Property") adjacent to the former Gulf Creosoting facility at Hattiesburg, Mississippi near Scooba Street and Eastside Avenue to implement remedial action by soil excavation of creosote-contaminated sediments and soils located between the railroad ballast and the previously remediated ditch as indicated on the Attachment "A" (pages 1-5) submitted to and approved by the Mississippi Department of Environmental Quality ("MDEQ").

Company, in consideration of the covenants and conditions contained in this agreement and insofar as its right, title and interest permits, grants Licensee permission to enter on the said Property for the purpose stated in the preceding paragraph, subject to the terms and conditions set forth below:

1. In consideration of Company granting its permission for the said purpose, Licensee agrees to indemnify and hold Company and any other corporation associated, controlled by or under common control with Company, and their officers, employees and agents, harmless from and against all costs, losses, claims, damages, or expenses, including attorneys' fees, arising out of any loss of life or personal injury or property loss or damage whatsoever which results from, accrues from, is connected to or is incidental to the undertakings of Licensee hereunder, unless such loss, injury or damage is solely caused by the negligence of Company.

2. a. All work done hereunder shall be done at Licensee's sole expense. The work to be done is set forth in Attachment A (pages 1-5). Such work will be done in accordance with the Health and Safety Work Plan approved by the MDEQ. Excavation work will not take place closer than eight (8) feet of the centerline of any track (commonly the toe of the ballast). The subballast extends fourteen (14) feet from the centerline of the track. (No concreting work can be done higher than 2.5 feet below the top of the rail.) After the soil and sediment excavation work is completed, Licensee agrees to backfill the excavated area with clean soil and further agrees not to create or allow any drainage condition that may be adverse to Company. Licensee's work shall not interfere with the safe and proper support of Company's roadbed and track. All work done hereunder shall occur only during daylight hours at the location of the entry.

b. Licensee shall remediate the land between the toe of the NSRR ballast and the drainage ditch between Timothy Street and Scooba Street to the MDEQ's designated cleanup standard and has stated its intention to perform an enhanced cleanup to remove soils and sediments exceeding the MDEQ's required cleanup goal of 43 mg/kg benzo(a)pyrene, in accordance with the cleanup activities set forth in Attachment A. Licensee represents that the performance of this work will eliminate the need for containment or capping of the remediated area. Licensee also represents to Company that by Licensee's performance of this work, employees of Company, National Railroad Passenger Corporation ("Amtrak") or their contractors can work safely on the right of way (both train and track maintenance operations) without the need to use any personal protective equipment as such workers will not be exposed to levels of creosote constituents that pose a health concern. This representation does not include exposure to creosote constituents associated with the creosote-treated railroad ties.

c. All work done hereunder shall be performed by Licensee with such care, diligence and cooperation of Licensee with Company personnel as will avoid accident, damage or harm to persons or property and delays to or interference with operations of Company. If the work is to be performed in the vicinity of railroad facilities, said work shall be performed in accordance with (a) the latest American Railway Engineering Association Specifications, if any, by reference hereby made a part hereof; and (b) to the entire satisfaction of Company's Division Engineer or his duly authorized representative.

d. Licensee agrees to reimburse Company promptly, upon bill rendered, for all expenses incurred by Company, resulting from or in connection with any such special engineering studies, field supervision, flagging protection or other services as Company may find necessary to perform in connection with Licensee's proposed work.

e. Previous boring samples results are attached hereto as summary of benzo(a) Pyrene Data. It is understood that boring numbers GEO-46A, 101, 103, 47A, 105, 107 and 48A are located on the Property while boring numbers 108, 109, 110, 111, 112 and 113 are on or near the cusp on the Property.

3. Company's Division Engineer W. Brad Kerchof at (205) 951-4724 or his designee track supervisor Nathan A. Wolfe at (601) 297-3571 shall be given notice not less than seventy-two (72) hours before Licensee proposes to enter upon the Property. Licensee understands that additional notice may be required if Company is to provide, at the desired time, any flagging which Company may deem necessary under Article 2 hereof.

4. This Environmental Right of Entry Agreement (a) shall not be assigned or transferred without written approval of the Company and (b) may be terminated at will by the Company or Licensee on five (5) days' written notice to the other party and shall terminate automatically six (6) months from the date of this agreement; provided, however, that termination shall not relieve Licensee, or its contractors, of any obligation or liability incurred prior to such termination.

5. As used herein, the term Licensee shall be deemed to include Licensee and its agents and contractors.

6. a. Licensee or its contractor shall secure, at its or their own expense, any permits or licenses required by federal, state, or local laws or ordinances and shall comply with all applicable laws, including (but not limited to) any laws, regulations, standards, and permit requirements relating to environmental pollution or contamination or to occupational health and safety. Licensee shall indemnify and hold harmless Company from and against any and all claims arising out of or connected with the violation, by Licensee, of any law, standard, regulation, or permit requirement.

b. If any mechanics' or materialmen's liens, or similar lien, is asserted against the property of Company, or any other property of Company, as a result of the exercise of any license herein granted, Licensee shall immediately satisfy, defend, or obtain the release of such lien, all at Licensee's expense, and Licensee shall indemnify and hold harmless Company from and against any claims arising out of or connected with such lien.

7. No work of any character shall be started on the Property until:

a. Certificates of Insurance, specifying that the policies are applicable to the particular work, have been furnished to and accepted by Company as evidence that Licensee and its Contractors maintain the following insurance coverages:

(i) Workers' Compensation Insurance in satisfaction of statutory requirements of the state where the property covered by this agreement is located. Also, Employers' Liability Insurance having limits of not less than $500,000 each accident, $500,000 per disease - policy limit, and $500,000 per disease - each employee.

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Executed in duplicate, each part being an original, this 10th day of May, 2007.

THE ALABAMA GREAT SOUTHERN
RAILROAD COMPANY

By: _____
Title: Vice President

TRONOX LLC

By: _____
Title: Project Mgr

Attachment A
Proposed Cleanup Activities

Remediation of the ditch and adjacent land beneath the NSRR will consist of the following steps:

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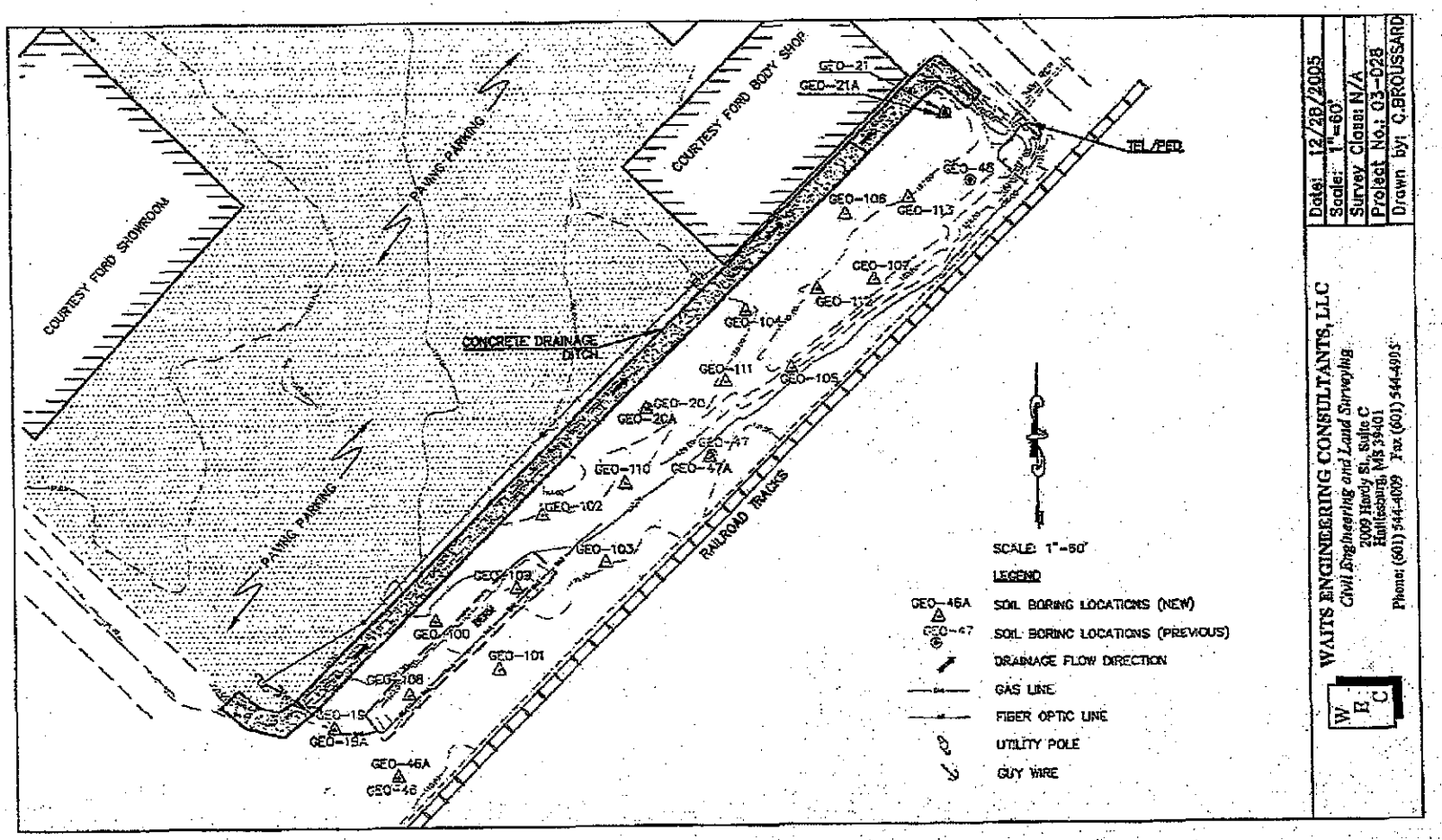

Site Layout with Soil Borings

Summary of Benzo(a)Pyrene Data
Southern Railroad Track Area

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Row 1

Sample ID	B(a)p (mg/kg)
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GEO-100(4-5')	**180**
GEO-100(5-6')	8.9
GEO-102(1-2')	**68**
GEO-102(2-3')	36
GEO-102(4-5')	2.2
GEO-102(5-6')	0.26
Fill to 1.5'	
GEO-20A(1.5-2')	36
GEO-20A(2-3')	26
GEO-20A(3-4')	7.4
GEO-20A(5-6')	2.7
Fill to 2'	
GEO-104(2-3')	0.18
GEO-104(4-5')	1.1
Heavily stained to 3'	
GEO-106(3-4')	16
GEO-106(5-6')	0.47
Heavily stained to 6'	
GEO-21A(5-6')	0.37

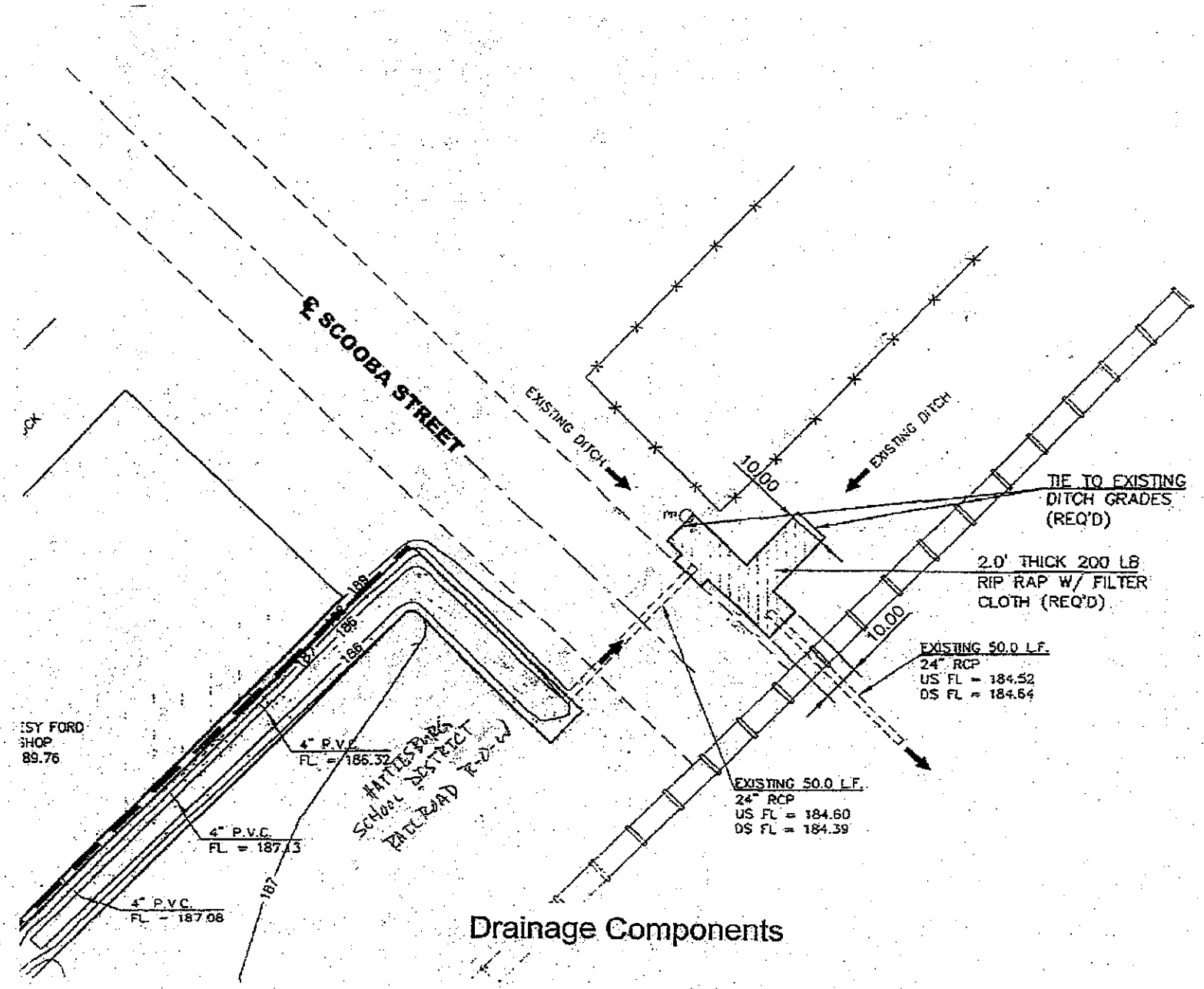
Row 2

Sample ID	B(a)p (mg/kg)
GEO-108(1-2')	**51**
GEO-108(3-4')	**64**
GEO-108(5-6')	32
GEO-109(0-1')	20
GEO-109(1-2')	ND (0.17)
GEO-109(2-3')	2.1
Fill to 2'	
GEO-110(2-3')	3.7
GEO-110(3-4')	ND (0.17)
GEO-111(1-2')	**310**
GEO-111(2-3')	7.7
GEO-111(4-5')	0.08
Fill to 1'	
GEO-112(1-2')	ND (0.17)
GEO-112(2-3')	ND (0.17)
GEO-113(1-2')	**760**
GEO-113(3-4')	1.6
GEO-113(5-6')	6.2

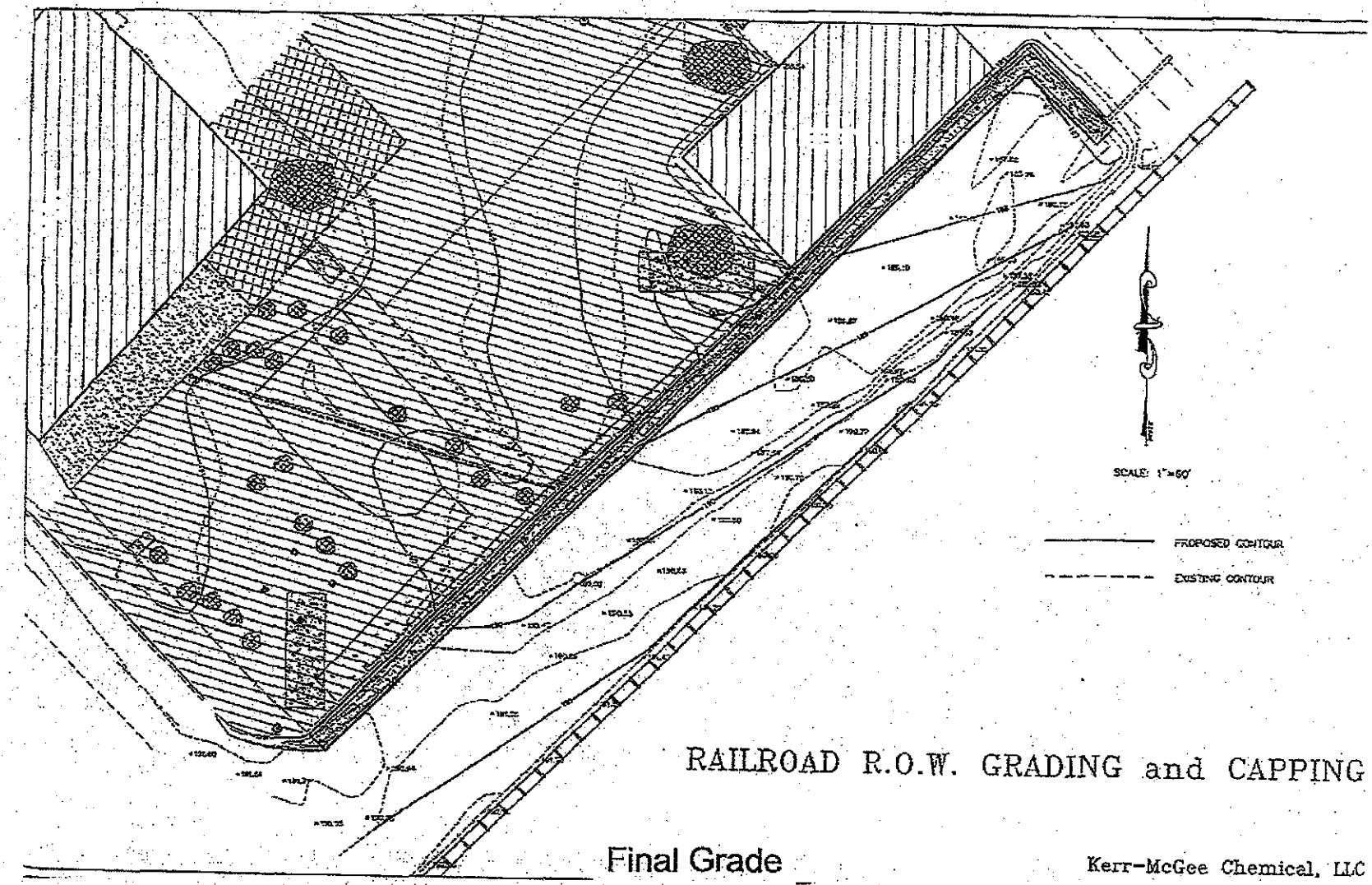
Row 3

Sample ID	B(a)p (mg/kg)
GEO-46A(0-1')	16
GEO-46A(1-2')	2.3
GEO-46A(2-3')	ND (0.17)
GEO-46A(5-6')	ND (0.17)
GEO-101(0-1')	18
GEO-101(1-2')	28
GEO-101(2-3')	ND (0.17)
GEO-101(5-6')	14
GEO-103(0-1')	0.084 J
GEO-103(1-2')	14
GEO-103(2-3')	2
GEO-103(5-6')	ND (0.17)
GEO-47A(0-1')	14
GEO-47A(1-2')	ND (0.17)
GEO-47A(5-6')	3.1
GEO-105(0-1')	21
GEO-105(1-2')	**99**
GEO-105(2-3')	29
GEO-105(5-6')	7
GEO-107(0-1')	**200**
GEO-107(1-2')	**100**
GEO-107(2-3')	0.76
GEO-107(5-6')	0.79
GEO-48A(0-1')	**400**
GEO-48A(1-2')	**190**
GEO-48A(2-3')	**46**
GEO-48A(4-5')	ND (0.17)

Note: Boxed value exceeds MDEQ proposed remediation goal of 43 mg/kg.



Drainage Components



RAILROAD R.O.W. GRADING and CAPPING

Final Grade

Kerr-McGee Chemical, LLC

Gloria Tatum/FS/OPC/DEQ
05/14/2007 12:10 PM

To jdupree@hattiesburgms.com, ftate@hattiesburgms.com, pubser@hattiesburgms.com, mayor@hattiesburgms.com
cc Jerry Cain/EPD/OPC/DEQ@DEQ, Tony Russell/HW/OPC/DEQ@DEQ, Jerry Banks/HW/OPC/DEQ@DEQ, Trudy
bcc
Subject Hattiesburg - Executed NSRR Right of entry

Honorable Mayor Johnny Dupree and Staff,

As you are aware, Norfolk Southern Railroad (NSRR) is the final section of property associated with the Tronox site, to be remediated. It is also a part of the continuation, to agreed order 4539 03, dated Jan. 28, 2003, under the oversight of the Mississippi Department of Environmental Quality (MDEQ). Attached is a copy of the signed Norfolk Southern Railroad, right-of-way agreement, allowing access.

Please accept this e-mail as an official notice that MDEQ staff will be in the City of Hattiesburg, beginning the morning of May 31, 2007, to ensure proper implementation of the "approved remedial workplan".

Tronox plan to mobilize equipment to the RR Row on the afternoon of May 30 and will start soil removal on the morning of May 31. Expected work time-frame is approximately two weeks (weather permitting).

As usual, MDEQ will continue to communicate any and all pertinent information to you and/or your staff during the time we are in the City of Hattiesburg.

Please feel free to contact:

Tony Russell (Project Manager)
601/961-5318 ofc
601/ 946-1393

Gloria Tatum (Environmental Justice Liaison))
601/961-5011 ofc
601/540-2962 cell

If you are not completely satisfied with MDEQ's staff or business processes, please feel free to contact; Jerry Cain, Director, Office of Pollution Control @ (601/961-5100) or Trudy Fisher, Executive Director, Mississisppi Department of Environmental Quality @ (601/961-5000).

MDEQ sincerely "Thank You" for allowing us the opportunity to "eliminate the source" of contamination in an effort to "protect human health and the environment", in the City of Hattiesburg.

2007-05-10 Norfolk Southern Right of Entry.pdf

"Dave Upthegrove" <dupthegrove@ix.netcom.com>
04/30/2007 04:20 PM

To <nathan.wolfe@nscorp.com>
cc "Keith Watson" <keith.watson@tronox.com>, "Tony Russell" <tony_russell@deq.state.ms.us>
bcc
Subject Hattiesburg soil removal project

Nathan:

Thank you again for carving out some time last Tuesday morning to meet with Tony Russell and me at the Hattiesburg site. I think we agree that the project is pretty straightforward and can be executed with little involvement on the part of Norfolk Southern. You indicated to me that you would notify the appropriate railroad personnel that we would be working immediately adjacent to a culvert crossing underneath the tracks. You also stated that standard railroad policy calls for the use of a flagman any time work is performed within 25 feet of the tracks, which will be only a small portion of the total project.

As we discussed, we will give you as much notice of our work as possible so you can schedule personnel accordingly. As soon as we have successfully negotiated and executed a right-of-entry agreement, I will forward a copy to you and we can discuss the project schedule and logistics.

Thanks again for your time; we look forward to working with you.

Dave

David C. Upthegrove, P.G.
Michael Pisani & Associates, Inc.
13313 Southwest Freeway
Suite 221
Sugar Land, Texas 77478
(281) 242-5700 (phone)
(281) 242-1737 (fax)
(504) 481-6470 (cellular)
dupthegrove@ix.netcom.com

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

MEMORANDUM

TO: Gulf States Creosote Site File
Hattiesburg, Mississippi

FROM: Tony Russell 4/25/07

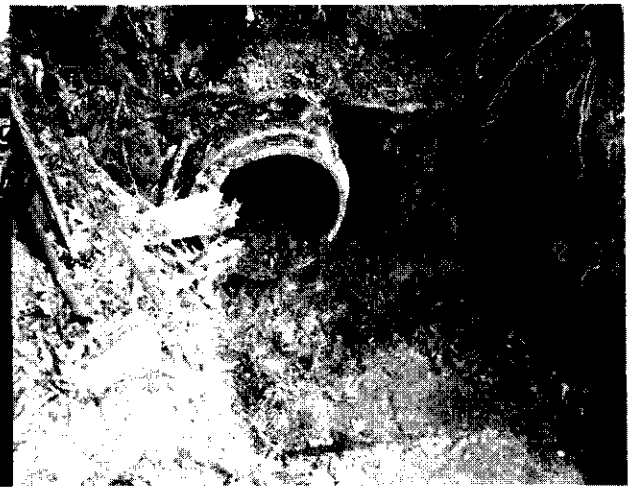
DATE: April 25, 2007

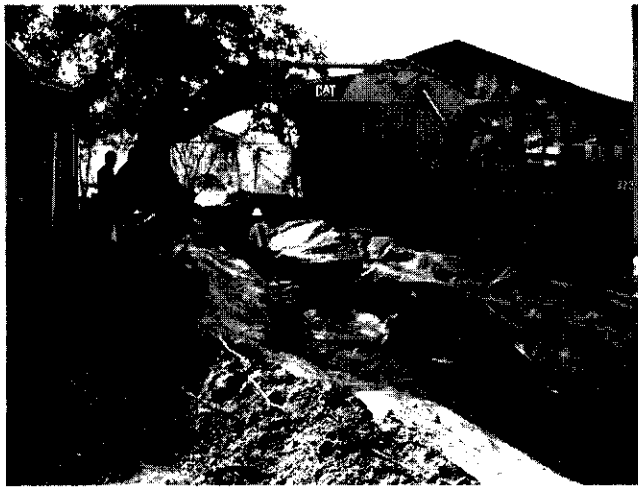
SUBJECT: Field Work Conducted at 106 Scooba Street

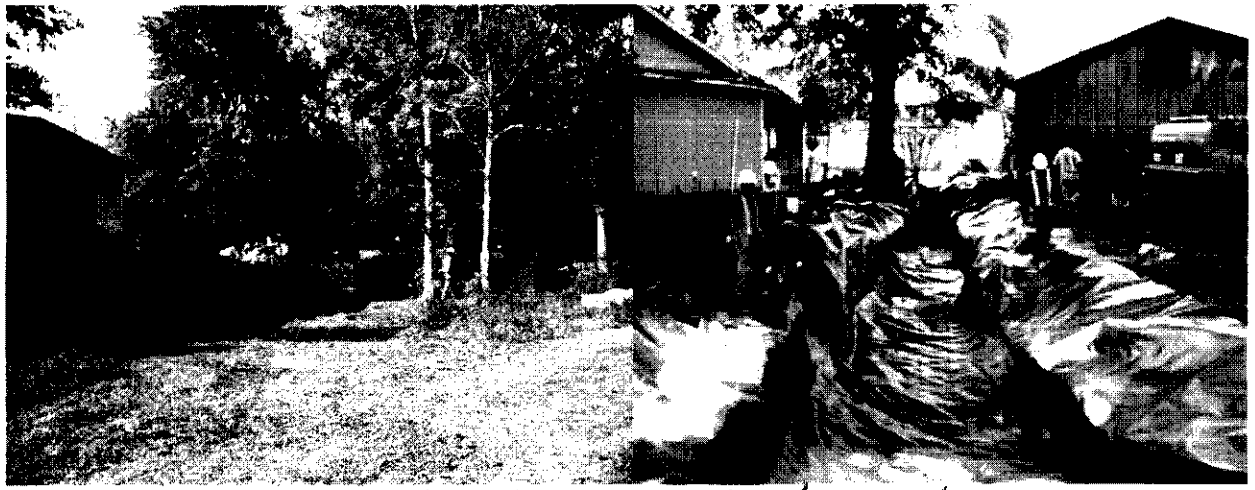
I met with Dave Upthegrove (Michael Pisani & Associates) and Gloria Tatum (MDEQ) on April 23 and 24 to observe the removal of contaminated soil from Wood's property at 106 Scooba Street in Hattiesburg, MS. Approximately 65 feet of the old drainage ditch was excavated and removed during this removal event. There was very little contamination present during the removal process. The only noticeably contaminated soil (visual and odors) present was at the Bevon-Wood's property line and a small area about middle ways of the ditch. All the soil removed from the ditch was loaded into dump trucks and transported to the McNeil landfill for disposal. Upon removal of all soil, a 20 ml liner was laid in the ditch and the bottom covered with a sand layer up to a line established for proper drainage. The new 24 inch drain pipe was installed on top of the sand and then backfilled with a red clay sand to ground surface.

Soil samples were collected at six locations along the top edge of the ditch at depths of 12 to 18 inches below ground surface to show that all contaminated soil was removed during the removal process. The soil samples will be analyzed for semi-volatile compounds by EPA Method 8270 at the OPC lab in Pearl, MS.

Photos were taken during the removal event and are attached to this memo documenting the removal process.

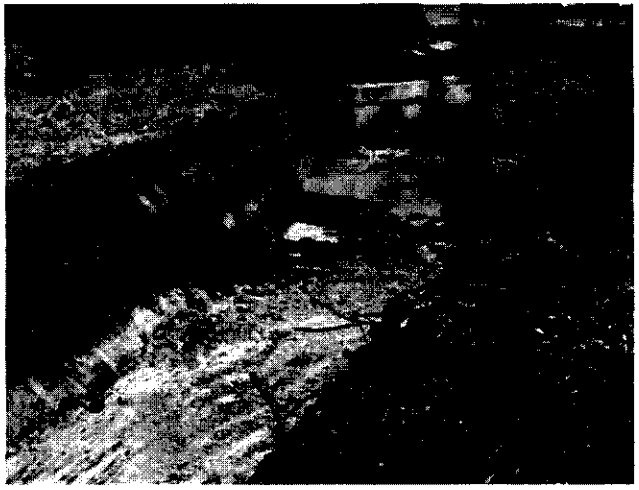






Gulf States Creosote Site FILE
Hattiesburg, Ms.

106 Scooba Street Soil Removal
April 23 & 24, 2007



106 Scooba Street, Hattiesburg, Ms.
4/23/07 - 4/24/07

Gulf States Creosote Site File

Invoice

Invoice Number:
Date: April 24, 2007

OFFICE OF POLLUTION CONTROL
LABORATORY
1542 Old Whitfield Road
PEARL, MS 39208
PHONE: (601) 664-3900

To:
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNCONTROLLED SITES SECTION VOLUNTARY
EVALUATION PROGRAM
P. O. BOX 10385
JACKSON, MS 39289

Ship to (if different address):
DEPARTMENT OF ENVIRONMENTAL QUALITY
UNCONTROLLED SITES SECTION
VOLUNTARY EVALUATION PROGRAM
2380 HWY 80 WEST
JACKSON, MS 39204

QTY.	DESCRIPTION	UNIT PRICE	TOTAL
6	SVOA SAMPLE ANALYZED, Gulf States Creosote Sample Numbers 33040, 33041, 33042, 33043, 33044 &	$150.00	$900.00
	Subtotal (Sheet Total)		$900.00

FILE COPY

STATE OF MISSISSIPPI
SECRETARY OF STATE
ERIC CLARK

401 MISSISSIPPI STREET
POST OFFICE BOX 136
JACKSON, MISSISSIPPI 39205-0136

TELEPHONE (601) 359-1350
FACSIMILE (601) 359-1499

April 20, 2007

The Honorable Johnny L. DuPree, Mayor
City of Hattiesburg
Post Office Box 1898
Jackson, Mississippi 39403-1898

RE: Gulf State Creosote Remediation
16th Section Public School Trust Land
City of Hattiesburg

Dear Mayor DuPree:

I have been provided with a copy of your letter dated March 27, 2007, along with a letter dated April 5, 2007, from Forrest County Supervisor Roderick Woullard, both addressed to Mr. Leonard Dickerson of Tronox Chemical pertaining to the remediation of a parcel of 16th Section Public School Trust Land. Both the letters request Tronox delay completion of its ongoing remediation.

As you know, on January 29, 2003, the Hattiesburg Public School District settled litigation that it had brought against Kerr-McGee Chemical LLC (now know as "Tronox") for creosote contamination on 16th Section Public School Trust Land under the school district's control. As a condition of the settlement, Tronox instituted a Remedial Action Plan, approved by the Mississippi Department of Environmental Quality, to cleanup the property. Part of the Remedial Action Plan involved what is referred to as the "Northeast Drainage Ditch." This ditch runs in a northeast direction from approximately Scooba Street, crossing Florence Street, Bertha Street, and Martin Luther King Avenue.

Final completion of this Remedial Action Plan involves cleaning up a former drainage ditch located at 106 Scooba Street and cleaning up a portion of the adjacent railroad right-of-way. It is my understanding that Tronox has resolved all legal claims with the owner of the Scooba Street property and the railroad. I also understand that it may become necessary to demolish the structure located on the Scooba Street property. It is further my understanding that MDEQ supports the demolition of this structure and the completion of the Remedial Action Plan.

As Secretary of State, I am charged with the duty of supervisory trustee over 16th Section Lands. In my role as trustee of 16th Section School Trust Land, my office participated in resolving the litigation which was commenced to protect the Trust and recover damages for the creosote contamination. As trustee, I have a duty to see that the Remedial Action Plan is completed. I support the MDEQ's position that Tronox should not delay completion of the Remedial Action Plan.

If you have any questions, please do not hesitate to contact me at 601-359-6338 or Bill Cheney, Senior Public Lands Attorney, at 601-359-6373. Thank you very much.

Sincerely,

ERIC CLARK
Secretary of State

cc:

Mr. Leonard L. Dickerson
U.S. Plant Relations Manager
Tronox Chemical
40034 Kerr-McGee Drive
Hamilton, Mississippi 39746

Mr. Jerry Cain
Office of Pollution Control
Mississippi Department of Environmental Quality
101 West Capital Street
Jackson, Mississippi 39201

Dr. Annie P. Wimbish
Superintendent
Hattiesburg Public School District
Post Office Box 1569
Hattiesburg, Mississippi 39403

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
TRUDY D. FISHER, EXECUTIVE DIRECTOR

April 19, 2007

Congressman Gene Taylor
U. S. House of Representatives
Suite 215
701 Main Street
Hattiesburg, MS 39401

RE: Forrest County Environmental Support Team

Dear Congressman Taylor:

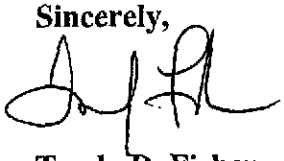
We received your letter dated April 10, 2007, concerning Mrs. Wood's property near the Gulf States Creosote Site, now Tronox site. The Wood's property, along with all the other impacted properties, is located on 16th section land which has required both the Secretary of State's (SOS) and the Hattiesburg Public School District's involvement. MDEQ has been involved with this site since around 1990. The site has been the subject of litigation filed by the Hattiesburg Public School District against Kerr-McGee Chemical Company (now Tronox). Tronox has been remediating the old Gulf States Creosote site in Hattiesburg for many years. As part of the litigation settlement MDEQ was required to approve a remedial action plan for the site which was completed in August 2002. All of the remediation associated with the site has been accomplished except for Mrs. Wood's property and some railroad right-of-way where access to the property was an issue. Tronox has reached a settlement with Mrs. Wood and now owns the lease after more than three years of negotiations. Allowing the contamination to remain on the property provides a continuing source for contamination of the shallow groundwater in the area. Thus, the source must be removed.

There has also been a recent issue regarding the demolition of the house formerly owned by Mrs. Wood. Please be advised that the remediation required on Mrs. Wood's property does not require the demolition of the house. If Tronox decides to demolish the house they will have to obtain any City and State permits and comply with any regulations related to the demolition of the house. The SOS office has notified MDEQ that they want the property remediated immediately and Tronox as owner of the lease can demolish the house.

The remediation of Mrs. Wood's property and the railroad right-of-way will be conducted in the same manner, with the same protections, with MDEQ oversight, and with the approved remedial action plan as the other remediated property associated with this site. The MDEQ and SOS office have patiently waited for years to resolve the access issues to these properties and we look forward to completing the remediation without delay.

If you have any questions, please feel free to contact me at 601-961-5000.

Sincerely,



Trudy D. Fisher
Executive Director

TDF:jar

TRONOX

Notice Regarding Continued Work in Hattiesburg – April 2007
Under the Oversight of the Mississippi Department of Environmental Quality

Tronox will begin remediation work at 106 East Scooba Street in Hattiesburg, Miss., weather permitting, on Monday, April 23. The work, which is a continuation of the northeast drainage ditch project in 2004, is being performed pursuant to agreed order 4539 03, dated Jan. 28, 2003, under the oversight of the Mississippi Department of Environmental Quality (MDEQ). The work is expected to be completed in approximately one week, weather permitting.

Details Regarding Project Activities

- To complete the work in a timely manner, Tronox anticipates contractors will work from 7 a.m. to 7 p.m. daily.
- The MDEQ has indicated it expects to have a representative present at the site during the work.
- Tronox is working with the Hattiesburg Public Works Department to minimize the impact to traffic. During the remediation work, project vehicles may result in increased vehicle traffic in the area, and the company will work with the city to identify appropriate routes for truck traffic.

Safety is Top Priority

- All workers involved in handling or removing material will be trained in accordance with the Office of Safety and Health Administration regulation 29 CFR 1910.120. Everyone working at or visiting the site will be required to adhere to provisions of the site Health and Safety Plan.
- For the safety of all involved, the temporarily-fenced work area will be an exclusion zone, with access limited to construction workers, MDEQ staff, city and other project-related personnel.
- As Tronox has done in previous phases of work in Hattiesburg, it will monitor ambient air quality in the work area to verify compliance with ambient air quality standards.
- If needed, Tronox will take necessary steps and implement engineering controls to minimize any unanticipated odors during the project.
- If needed, the company will implement dust-suppression measures.

Remediation Information

- Soils and sediments to be excavated are located below the ground surface in a former storm water drainage ditch. Tronox anticipates removal of approximately 200 to 300 cubic yards of former ditch material and soil from the property. After remediation, surface water drainage will be improved by construction of a drainage inlet to the city's underground storm sewer directly east of the property.
- Excavated materials will be direct-loaded to trucks or roll-off boxes. No excavated materials will be left on site. Piles of clean backfill material may be present on site during the project.
- Excavated materials will be disposed of as provided in the MDEQ-approved work plan.
- Upon completion of the work, the property will be graded and reseeded.

For more information, contact: Tony Russell, MDEQ, 601-961-5318

www.tronox.com

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR
April 9, 2007

Honorable Johnny Dupree, Ph.D.
Mayor, City of Hattiesburg
PO Box 1898
Hattiesburg, Mississippi 39403-1898

RE: Request for Delay of Remediation at 106 Scooba Street

Dear Mayor Dupree:

This letter is in response to your April 3, 2007, letter requesting the Mississippi Department of Environmental Quality (MDEQ) to allow Tronox to delay the remediation of Ms. Clevester Woods' property located at 106 Scooba Street and the railroad right-of-way. We appreciate your concern and position on these matters and welcome input from local officials.

The laws governing the Mississippi Department of Environmental Quality (Section 49-17-29) do not allow for waste to be placed or remain in a location that will cause pollution of any waters of the state. MDEQ considers the creosote waste remaining on these properties to be a potential continuing source for contamination of the shallow groundwater in this area. The Department has patiently waited for years for Tronox to negotiate and obtain access to these properties. It is time to bring this process to conclusion since delaying this project any further is not consistent with our mission and state law.

The Department sincerely respects your request for delay. However, we ask you and the City Council to respect the Department's mission, policy and commitment to the citizens of the City of Hattiesburg to bring this clean-up to a close with no more delay. The remediation of these two properties will be done in the same manner as the remediation of the other properties at and near the Tronox site to assure that residents in the area are not adversely impacted during the remediation of these properties. MDEQ will continue to provide oversight of the Tronox activities related to the remediation of these properties.

If you have further questions or we may be of assistance, please do not hesitate to call me or Mr. Jerry Banks of my staff at (601)-961-5171.

Sincerely,

Jerry W. Cain, P.E., DEE,
Director, Office of Pollution Control

JWC:pl

"Watson, Keith"
<Keith.Watson@tronox.com>

04/11/2007 07:59 AM

To <Tony_Russell@deq.state.ms.us>
cc
bcc
Subject Hatt - More letters

Tony:

See attached.

<<2007-04-10 Letters congressman taylor.pdf>>

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6563

Thank you. 2007-04-10 Letters congressman taylor.pdf

GENE TAYLOR
4th District, Mississippi

COMMITTEE ON ARMED SERVICES

CHAIRMAN
SUBCOMMITTEE ON SEAPOWER AND EXPEDITIONARY FORCES

COMMITTEE ON TRANSPORTATION AND INFRASTRUCTURE

http://www.house.gov/genetaylor

Congress of the United States
House of Representatives
Washington, DC 20515–2404

2235 RAYBURN HOUSE OFFICE BUILDING
WASHINGTON, DC 20515-2404
(202) 225-5772
FAX: (202) 225-7074

DISTRICT OFFICES:
2424 14TH STREET
GULFPORT, MS 39501
(228) 864-7676

701 MAIN STREET
SUITE 215
HATTIESBURG, MS 39401
(601) 582-7249

2000 GOVERNMENT STREET, SUITE A
OCEAN SPRINGS, MS 39564
(228) 872-7814

527 CENTRAL AVENUE
LAUREL, MS 39440
(601) 425-3908

April 10, 2007

Mr. Leonard L. Dickerson, MBA
U.S. Plant Relations Manager
Tronox
P.o. Box 180
Hamilton, MS 39746

RE: Forrest County Environment Support Team

Dear Mr. Dickerson:

Through this means, I am respectfully requesting your assistance. Enclosed find information concerning the Wood's property.

In concert with the Forrest County Environmental Support Team and Mayor Johnny DuPree, I am requesting that Tronox delay demolishing the Woods' property at 106 Scooba Street until all public officials have had an opportunity to review and discuss the facts concerning this problem.

If you have any questions, please contact my District Representative, Mrs. Jerry Martin, in the Hattiesburg Office located at 701 Main Street – Suite 215, Hattiesburg, MS 39401. Otherwise, I will await a reply regarding this matter.

Sincerely yours,

GENE TAYLOR
Member of Congress

GT:jm

Enclosure

GENE TAYLOR
4th District, Mississippi

COMMITTEE ON ARMED SERVICES

CHAIRMAN
SUBCOMMITTEE ON SEAPOWER AND EXPEDITIONARY FORCES

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GULFPORT, MS 39501
(228) 864-7670

701 MAIN STREET
SUITE 215
HATTIESBURG, MS 39401
(601) 582-3246

2900 GOVERNMENT STREET, SUITE B
OCEAN SPRINGS, MS 39564
(228) 872-7050

227 CENTRAL AVENUE
LAUREL, MS 39440
(601) 428-0644

April 10, 2007

The Honorable Johnny DuPree, Ph.D.
Mayor
City of Hattiesburg
P.O. Box 1898
Hattiesburg, MS 39403-1898

Dear Johnny:

I have made a congressional inquiry to the Mississippi Department of Environment Quality, the Environment Protection Agency and Tronox concerning the Woods' property. I will continue to monitor this situation with great interest. Enclosed please find a copy of the correspondence that was sent. As soon as I receive a reply, I will contact you.

Meanwhile, if you have any questions, please feel free to contact my District Representative, Mrs. Jerry Martin, in the Hattiesburg Office located at 701 Main Street – Suite 215, Hattiesburg, MS 39401-3410 *or* call 1-800-273-4363 (601 - 582- 3246) or fax (601 - 582 -3452).

Sincerely yours,

GENE TAYLOR
Member of Congress

GT:jm

Enclosures (3)

xc: Mr. Sherri Jones

GENE TAYLOR
4th District, Mississippi

COMMITTEE ON ARMED SERVICES

CHAIRMAN
SUBCOMMITTEE ON SEAPOWER AND EXPEDITIONARY FORCES

COMMITTEE ON TRANSPORTATION AND INFRASTRUCTURE

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House of Representatives
Washington, DC 20515–2404

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FAX: (202) 225-7074

DISTRICT OFFICES
2424 14th STREET
GULFPORT, MS 39501
(228) 604-2870

701 MAIN STREET
SUITE 215
HATTIESBURG, MS 39401
(601) 582-3240

2509 GOVERNMENT STREET, SUITE B
OCEAN SPRINGS, MS 39564
(228) 872-2050

627 CENTRAL AVENUE
LAUREL, MS 39440
(601) 428-0536

April 10, 2007

Environmental Protection Agency
ATTN: Congressional Liaison
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, GA 30303-3104

RE: Forrest County Environment Support Team

Dear Sir or Madam:

Through this means, I am respectfully requesting your assistance. Enclosed find information concerning the Wood's property.

In concert with the Forrest County Environmental Support Team and Mayor Johnny DuPree, I am requesting that Tronox delay demolishing the Woods' property at 106 Scooba Street until **all** public officials have had an opportunity to review and discuss the facts concerning this problem.

If you have any questions, please contact my District Representative, Mrs. Jerry Martin, in the Hattiesburg Office located at 701 Main Street – Suite 215, Hattiesburg, MS 39401. Otherwise, I will await a reply regarding this matter.

Sincerely yours,

GENE TAYLOR
Member of Congress

GT:jm

Enclosure

GENE TAYLOR
4TH DISTRICT, MISSISSIPPI

COMMITTEE ON ARMED SERVICES

CHAIRMAN
SUBCOMMITTEE ON SEAPOWER AND EXPEDITIONARY FORCES

COMMITTEE ON TRANSPORTATION AND INFRASTRUCTURE

http://www.house.gov/genetaylor

Congress of the United States
House of Representatives
Washington, DC 20515–2404

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701 MAIN STREET
SUITE 215
HATTIESBURG, MS 39401
(601) 582-3245

2000 GOVERNMENT STREET, SUITE B
OCEAN SPRINGS, MS 39564
(228) 872-7980

527 CENTRAL AVENUE
LAUREL, MS 39440
(601) 425-3905

April 10, 2007

Mr. Charles Chisolm
Executive Director
Mississippi Department of Environmental Quality
P.O. Box 20305
Jackson, MS 39299-1305

RE: Forrest County Environment Support Team

Dear Mr. Chisolm:

Through this means, I am respectfully requesting your assistance. Enclosed find information concerning the Wood's property.

In concert with the Forrest County Environmental Support Team and Mayor Johnny DuPree, I am requesting that Tronox delay demolishing the Woods' property at 106 Scooba Street until **all** public officials have had an opportunity to review and discuss the facts concerning this problem.

If you have any questions, please contact my District Representative, Mrs. Jerry Martin, in the Hattiesburg Office located at 701 Main Street – Suite 215, Hattiesburg, MS 39401. Otherwise, I will await a reply regarding this matter.

Sincerely yours,

GENE TAYLOR
Member of Congress

GT:jm

Enclosure

STATE OF MISSISSIPPI

HALEY BARBOUR
GOVERNOR

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY

CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

April 9, 2007

Honorable Johnny Dupree, Ph.D.
Mayor, City of Hattiesburg
PO Box 1898
Hattiesburg, Mississippi 39403-1898

RE: Request for Delay of Remediation at 106 Scooba Street

Dear Mayor Dupree:

This letter is in response to your April 3, 2007, letter requesting the Mississippi Department of Environmental Quality (MDEQ) to allow Tronox to delay the remediation of Ms. Clevester Woods' property located at 106 Scooba Street and the railroad right-of-way. We appreciate your concern and position on these matters and welcome input from local officials.

The laws governing the Mississippi Department of Environmental Quality (Section 49-17-29) do not allow for waste to be placed or remain in a location that will cause pollution of any waters of the state. MDEQ considers the creosote waste remaining on these properties to be a potential continuing source for contamination of the shallow groundwater in this area. The Department has patiently waited for years for Tronox to negotiate and obtain access to these properties. It is time to bring this process to conclusion since delaying this project any further is not consistent with our mission and state law.

The Department sincerely respects your request for delay. However, we ask you and the City Council to respect the Department's mission, policy and commitment to the citizens of the City of Hattiesburg to bring this clean-up to a close with no more delay. The remediation of these two properties will be done in the same manner as the remediation of the other properties at and near the Tronox site to assure that residents in the area are not adversely impacted during the remediation of these properties. MDEQ will continue to provide oversight of the Tronox activities related to the remediation of these properties.

If you have further questions or we may be of assistance, please do not hesitate to call me or Mr. Jerry Banks of my staff at (601)-961-5171.

Sincerely,

Jerry W. Cain, P.E., DEE,
Director, Office of Pollution Control

JWC:pl

OFFICE OF POLLUTION CONTROL
POST OFFICE BOX 10385 • JACKSON, MISSISSIPPI 39289-0385 • TEL: (601) 961-5171 • FAX: (601) 354-6612 • www.deq.state.ms.us
AN EQUAL OPPORTUNITY EMPLOYER

Mayor
Johnny L. DuPree, Ph.D.

Council - Ward 1 *Kim Bradley*
Council - Ward 2 *Deborah Denard Delgado*
Council - Ward 3 *Carter Carroll*
Council - Ward 4 *Dave J. Ware, II*
Council - Ward 5 *Henry Naylor*

April 3, 2007

Mr. Jerry Cain, Director
Office of Pollution Control
Mississippi Department of Environmental Quality
P. O. Box 20305
Jackson, MS 39289-1305

RE: Gulf State Creosote Site Remediation, Hattiesburg, MS

Dear Mr. Cain:

As you are aware, the City of Hattiesburg has submitted a request to Tronox asking them to delay the demolition of the property located at 106 Scooba Street. I have attached a copy of the initial letter for your review. In accordance with the 1997 Agreed Order between MDEQ and Kerr-McGee (Tronox), it is clear that your agency has the ultimate oversight authority over all remediation associated with the Gulf State Creosote site.

I, along with the Hattiesburg City Council President and the Councilman who represents the citizens in the affected area, have been meeting with the members of the Forrest County Environmental Support Team in an effort to fully understand the facts surrounding this case. In addition to Tronox, we would also request that MDEQ give thoughtful consideration to granting this delay in order to allow interested parties to be satisfied that all their questions and concerns are addressed.

Please provide an expeditious response to this request in keeping with MDEQ policies and procedures. If you have questions, please do not hesitate to call Franklyn Tate at (601) 545-4541. Also, please do not hesitate to give me a call at (601) 545-4501. Thank you in advance for your assistance.

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/kmh

Attachment

"Jordan, A. Gayle"
<gayle.jordan@nscorp.com>
04/03/2007 09:51 AM

To Tony_russell@deq.state.ms.us, Jerry_Banks@deq.state.ms.us
cc
bcc
Subject FW: ROE for Hattisburg,MS

History: This message has been replied to.

Trying to send again. I used the wrong email address for you two last week. Hope this gets through. Keith Watson has his copy.

From: Jordan, A. Gayle
Sent: Friday, March 30, 2007 3:26 PM
To: 'Keith.Watson@tronox.com'
Cc: 'Tony_Russell@deq.state.ms.gov'; Kerchof, W. Brad; Wolfe, Nathan A.
Subject: ROE for Hattisburg,MS

Attached is the draft ROE between AGS and Tronox. This version largely tracks our standard ROE since Tronox has now delineated the creosote-related contamination in the right of way used by the railroad and will be removing the contaminated soil and sediment exceeding the DEQ's cleanup standard. Thus no capping or containment is necessary and we need not be concerned about subsequent worker exposure or use of protective equipment.

Please let me have your comments, but I believe this version will be more acceptable to your company than the one we sent some time ago when the contamination was to remain in place. We are happier with its removal.

Regarding the ROE, Par. 2(a) has a parenthetical sentence about concreting, but I presume this reference is no longer needed since Tronox does not intend to cap or contain and thus this sentence would be dropped. Please confirm. We also need to insert a time period in Par. 4 to do the work. In addition, Attachment A needs to be revised throughout to change the reference to "NSRC" to "AGS. Item 7 needs to be revised to read: "...ditch and a ...AGS line (to toe of ballast)", per our phone conversation The drawing on the last page of Attachment A refers to "Railroad R.O.W. Grading and Capping", but there is to be no capping to be done so the heading should be corrected.

To save time at the outset (even before the ROE s executed), please call track supervisor Nathan Wolfe at (601) 297-3571 and make arrangements for an on site visit so he can gain a clear understanding of the work to be done and determine when flagging will be needed. I just found out that Mr. Bankston has retired so Mr. Wolfe may not be acquainted with this project. I will send him a copy of your correspondence with Attachment A.

I will be in the office for the next two weeks to help finalize the ROE.

From: Foreman, Pauline
Sent: Friday, March 30, 2007 2:34 PM
To: Jordan, A. Gayle
Subject: Re-scan, resend instr.


tronox agr.pdf

ENVIRONMENTAL RIGHT OF ENTRY AGREEMENT

Tronox, LLC, formerly named Kerr McGee Chemical, LLC ("Licensee"), a Delaware limited liability company, has requested that The Alabama Great Southern Railroad Company ("Company"), a Virginia corporation, grant Licensee permission to enter upon the right of way of Company (which right of way is held by easement and is referred to hereinafter as "Property") adjacent to the former Gulf Creosoting facility at Hattiesburg, Mississippi near Scooba Street and Eastside Avenue to implement remedial action by soil excavation of creosote-contaminated sediments and soils located between the railroad ballast and the previously remediated ditch as indicated on the Attachment "A" (pages 1-5) submitted to and approved by the Mississippi Department of Environmental Quality ("MDEQ").

Company, in consideration of the covenants and conditions contained in this agreement and insofar as its right, title and interest permits, grants Licensee permission to enter on the said Property for the purpose stated in the preceding paragraph, subject to the terms and conditions set forth below:

1. In consideration of Company granting its permission for the said purpose, Licensee agrees to indemnify and hold Company and any other corporation associated, controlled by or under common control with Company, and their officers, employees and agents, harmless from and against all costs, losses, claims, damages, or expenses, including attorneys' fees, arising out of any loss of life or personal injury or property loss or damage whatsoever which results from, accrues from, is connected to or is incidental to the undertakings of Licensee hereunder, unless such loss, injury or damage is solely caused by the negligence of Company.

2. a. All work done hereunder shall be done at Licensee's sole expense. The work to be done is set forth in Attachment A (pages 1-5). Such work will be done in accordance with the Health and Safety Work Plan approved by the MDEQ. Excavation work will not take place closer than eight (8) feet of the centerline of any track (commonly the toe of the ballast). The subballast extends fourteen (14) feet from the centerline of the track. (No concreting work can be done higher than 2.5 feet below the top of the rail.) After the soil and sediment excavation work is completed, Licensee agrees to backfill the excavated area with clean soil and further agrees not to create or allow any drainage condition that may be adverse to Company. Licensee's work shall not interfere with the safe and proper support of Company's roadbed and track. All work done hereunder shall occur only during daylight hours at the location of the entry.

b. Licensee shall remediate the entire area to the MDEQ's designated cleanup standard and has stated its intention to perform an enhanced cleanup to remove soils and sediments exceeding the MDEQ's required cleanup goal of 43 mg/kg. Licensee represents that the performance of this work will eliminate the need for containment or capping of the remediated area. Licensee also represents to Company that. by Licensee's performance of this work, employees of Company,

National Railroad Passenger Corporation ("Amtrak") or their contractors can work safely on the right of way (both train and track maintenance operations) without the need to use any personal protective equipment as such workers will not be exposed to levels of creosote constituents that pose a health concern.

c. All work done hereunder shall be performed by Licensee with such care, diligence and cooperation of Licensee with Company personnel as will avoid accident, damage or harm to persons or property and delays to or interference with operations of Company. If the work is to be performed in the vicinity of railroad facilities, said work shall be performed in accordance with (a) the latest American Railway Engineering Association Specifications, if any, by reference hereby made a part hereof; and (b) to the entire satisfaction of Company's Division Engineer or his duly authorized representative.

d. Licensee agrees to reimburse Company promptly, upon bill rendered, for all expenses incurred by Company, resulting from or in connection with any such special engineering studies, field supervision, flagging protection or other services as Company may find necessary to perform in connection with Licensee's proposed work.

e. Previous boring samples results are attached hereto as summary of benzo(a) Pyrene Data. It is understood that boring numbers GEO-46A, 101, 103, 47A, 105, 107 and 48A are located on the Property while boring numbers 108, 109, 110, 111, 112 and 113 are on or near the cusp on the Property.

3. Company's Division Engineer W. Brad Kerchof at (205) 951-4724 or his designee track supervisor Nathan A. Wolfe at (601) 297-3571 shall be given notice not less than seventy-two (72) hours before Licensee proposes to enter upon the Property. Licensee understands that additional notice may be required if Company is to provide, at the desired time, any flagging which Company may deem necessary under Article 2 hereof.

4. This Environmental Right of Entry Agreement (a) shall not be assigned or transferred without written approval of the Company and (b) may be terminated at will by the Company or Licensee on five (5) days' written notice to the other party and shall terminate automatically _____ from the date of this agreement; provided, however, that termination shall not relieve Licensee, or its contractors, of any obligation or liability incurred prior to such termination.

5. As used herein, the term Licensee shall be deemed to include Licensee and its agents and contractors.

6. a. Licensee or its contractor shall secure, at its or their own expense, any permits or licenses required by federal, state, or local laws or ordinances and shall comply with all applicable laws, including (but not limited to) any laws,

regulations, standards, and permit requirements relating to environmental pollution or contamination or to occupational health and safety. Licensee shall indemnify and hold harmless Company from and against any and all claims arising out of or connected with the violation, by Licensee, of any law, standard, regulation, or permit requirement.

b. If any mechanics' or materialmen's liens, or similar lien, is asserted against the property of Company, or any other property of Company, as a result of the exercise of any license herein granted, Licensee shall immediately satisfy, defend, or obtain the release of such lien, all at Licensee's expense, and Licensee shall indemnify and hold harmless Company from and against any claims arising out of or connected with such lien.

7. No work of any character shall be started on the Property until:

a. Certificates of Insurance, specifying that the policies are applicable to the particular work, have been furnished to and accepted by Company as evidence that Licensee and its Contractors maintain the following insurance coverages:

(i) Workers' Compensation Insurance in satisfaction of statutory requirements of the state where the property covered by this agreement is located. Also, Employers' Liability Insurance having limits of not less than $500,000 each accident, $500,000 per disease - policy limit, and $500,000 per disease - each employee.

(ii) Comprehensive General Liability Insurance having a combined single limit of not less than $2,000,000 per occurrence for all loss, damage, cost and expense, including attorney's fees, arising out of bodily injury, liability and property damage liability during the policy period. Such policy shall be endorsed to name Company, and its parent Company Norfolk Southern Railway Company ("NSRC") and Amtrak as additional insureds and shall include a severability of interests provision. In addition, Licensee's policy shall be endorsed to reflect Contractual Liability Insurance specifically relating to the indemnity provisions of this agreement. Any exclusion for construction or demolition activities (including installing wells or bore holes, but not for work done by means of a hand augur) conducted within 50 feet of railroad tracks shall be deleted from Licensee's or its contractor's policies.

(iii) In the event Licensee or its contractor cannot obtain contractual liability insurance to cover the obligations assumed under this Environmental Right of Entry

Agreement, Licensee or its contractor shall procure and furnish to Company a Railroad Protective Liability Insurance Policy having a combined single limit of $2,000,000 per occurrence. Said policy shall name Company, its parent company NRC and Amtrak as named insureds.

(iv) Automobile Liability Insurance having a combined single limit of not less than $1 million per occurrence. Said policy shall name Company NSRC and Amtrak as additional insureds and shall include a severability of interests provision.

b. Company has advised the Licensee that limits, form, and substance of insurance policies and certificates of insurance are satisfactory to Company. Said policies and certificates should be forwarded to Risk Manager, Norfolk Southern Corporation, Three Commercial Place, Norfolk, Virginia, 23510. The furnishing by Licensee of such insurance and the acceptance of the same by Company is not intended to and shall not reduce, limit, affect or modify the primary obligations and liabilities of Licensee under the other provisions of this agreement.

c. Pursuant to Paragraph 7(a) (iii), if the work covered under this Agreement is to be performed within 50 feet of Company railroad tracks and licensee does not maintain the requisite contractual liability insurance coverage required under Paragraph 7(a) (iii), an original Railroad Protective Liability Insurance Policy must be furnished before any work is performed on railroad property. In the alternative, Licensee shall pay Company a flat fee of $1,000 to include the project under NS' Master Railroad Protective Liability Insurance Policy, eliminating the need for Licensee to purchase a separate railroad protective liability insurance policy for Company.

d. Authorized representatives of Licensee have met with Division Engineer Kerchof or his designee and also with a representative of Company's Communications and Signals Department to receive any instructions Company may have concerning the Licensee's activities on Company property. Licensee agrees to follow, at its expense, all such instructions, and in such manner as is satisfactory to Company.

8. All insurance described above shall be maintained until all work contemplated hereunder has been satisfactorily completed. Insurance Companies may cancel or make significant changes in the insurance by permission of the Licensee and Company, or upon giving thirty (30) days' written notice to Licensee and Company of their intent to do so.

9. Licensee shall leave the Company's property free of debris and holes in the ground. Restoration of Company's property to the conditions (meaning stability and levelness) preceding the work shall be completed before this agreement terminates.

10. If any of the foregoing provisions is held for any reason to be unlawful or unenforceable, the parties intend that only the specific words found to be unlawful or unenforceable are severed and deleted from this agreement and that the balance of the agreement remain a binding enforceable agreement to the fullest extent permitted by law.

11. If there is a conflict between the terms of another contract and this Environmental Right of Entry Agreement concerning this property, Licensee and Company agree that the terms of this Agreement shall control.

2. Licensee agrees to give Company a copy of final confirmatory results and its final report to MSEQ reporting on Licensee's remediation of the Property.

13. With the exception of public grade crossings, Licensee shall **not** cross the tracks of Company with any vehicle or heavy equipment unless it shall have executed such separate agreement as shall be provided by Company.

14. Licensee recognizes and assumes all responsibility for all present and future environmental obligations imposed under applicable laws, regulations or other such requirements relating to any contamination of the Property or the groundwater thereunder arising out of, in whole or in part, from the former Gulf Creosoting facility. Licensee further agrees to undertake at its own expense any cleanup of any contamination of the Property and groundwater thereunder arising from any operation of the former Gulf Creosoting facility or as a result of the work hereunder and as required by the law.

Executed in duplicate, each part being an original, this _____ day of _____, 2007.

THE ALABAMA GREAT SOUTHERN RAILROAD COMPANY	TRONOX, LLC
By: _____	By: _____
Title: _____	Title: _____

(ROE//tronox.agr.doc)

Tony Russell/HW/OPC/DEQ
03/29/2005 04:04 PM

To Jerry Banks/HW/OPC/DEQ@DEQ, Mary Jacq Easley/Legal/Admin/DEQ@DEQ
cc
bcc
Subject RR track area - Hattiesburg

According to the approved RAP (remedial action plan) which is dated August 21, 2002:

(My, how time flies - I am sure glad I went back and reviewed the RAP as Jerry and I had totally forgot the stipulation put on KMC (Kerr McGee Corportion) that if they did not obtain the RR's permission to restrict the property they had to remove more soil.)

Section 5.3 Southern Railroad Track Area
The remediation action objectives for the Southern Railroad track area are to: 1) remove free product and creosote-saturated materials from within and beneath drainage ditches; 2) eliminate the potential risks posed by direct contact with affected soils and minimize the potential for infiltration of percipitation through affected soils; and 3) demonstrate that natural attenuationof constituents in ground water is occurring.

Free product and creosote-saturated soils within and beneath drainage ditches in the Southern Railroad track area will be removed and transported offsite for disposal at an acceptable location. MDEQ has agreed that affected soils outside of the ditches may be removed and transported offsite for disposal at an acceptable location or may be capped and left in place if appropriate easements/deed restrictions can be obtained. Ground water monitoring necessary to demonstrate natural attenuation of site constituents will also be performed.

Section 5.3.1 Removal of Affected Soils
The appropriate area containing affected soils to be removed and/or capped is shown on Figure 5-10. MDEQ will be notified prior to commencing soil removal activities. Initially, this area will be cleared of brush and other vegetation. Excavation of soils within and beneath drainage ditches will then proceed with a trackhoe, with excavated materials loaded directly into trucks for transportation offsite and disposal at an acceptable location. Excavation will continue until all free product and creosote-saturated soils have been removed.

If KMC can obtain appropriate easements/deed restrictions from the City of Hattiesburg and Norfolk Southern Railroad, affected soils outside the ditch will be left in place and capped as described in Section 5.3.2. If not, MDEQ has requested that the upper 3 feet of soil between the ditches and the railroad berm be removed, and that the area be backfilled with compacted clay overlain with appropriate drainage layers. If KMC is unable to obtain the necessary easements/deed restrictions to leave affected soils in place, KMC will attempt to obtain permission from the City and Norfolk Southern to conduct soil removal actiivites.

Section 5.3.2 Capping of Affected Soils
The ditch excavations and any other excavated areas will be backfilled with clean fill material. A water-impervious liner will be placed in the ditches, then the ditches will be lined with reinforced concrete.

Other portions of the Southern Railroad track area where affected soils are left in place will also be capped. First, the area will be graded such that drainage flows toward the concrete-lined ditches. A water-impervious liner will be placed atop affected soils, then covered with non-woven geotextile fabric or a sand layer for drainage. A layer of crushed rock similar to railroad ballast will be placed atop the drainage layer to provide protection of the drainage layer.

Mary Jacq,

You and I need to conduct a conference call with Gayle Jordan (NS attorney). If you will set it up and let

March 27, 2007

Mr. Learnard L. Dickerson, MBA
U. S. Plant Relations Manager
Tronox
P. O. Box 180
Hamilton, MS 39746

RE: Gulf State Creosote Site Remediation, Hattiesburg, MS

Dear Mr. Dickerson:

It is my understanding that Tronox has reached a settlement with Ms. Clevester Woods with regard to the property located at 106 Scooba Street. If a settlement has been reached, the only remaining site to be remediated, in accordance with the 1997 Agreed Order entered into between Kerr McGee (Tronox) and the Mississippi Department of Environmental Quality (MDEQ), is along railroad right-of-way. I also understand that negotiations are in the final stages relative to gaining the needed access to this site as well.

I am acutely aware of the copious nature of the discussions between Tronox and the Forrest County Environmental Support Team (FCEST). The City of Hattiesburg has been meeting with the FCEST in an effort to fully understand the group's concerns and assist them in obtaining the information needed to answer many of their ongoing questions. Given the breath and depth of the remaining questions, it is clear they have a number of issues that remain unresolved.

While we recognize Tronox's obligation to comply with the 1997 MDEQ Agreed Order, it would be a very positive sign of goodwill if Tronox would delay the demolition of the property at 106 Scooba Street until the group can be assured that all parties were treated fairly and that there is no continuing health implications for those residents who still live in the vicinity of the contaminated area. Please let me know if Tronox is willing the delay the remediation of the final two sites at least for a limited period until further discussion can be held. In the meantime, I have designated Franklyn Tate as the City's liaison between the FCEST and other agencies involved with this site. If you have

questions, please do not hesitate to call him at (601) 545-4541. Also, please do not hesitate to give me a call at (601) 545-4501. Thank you in advance for all your help.

Sincerely,

Johnny L. DuPree, Ph.D.
Mayor, City of Hattiesburg

JLD/kmh

"Watson, Keith"
<Keith.Watson@tronox.com>

05/10/2007 07:46 AM

To "Dave Upthegrove" <dupthegrove@ix.netcom.com>, <Tony_Russell@deq.state.ms.us>
cc
bcc
Subject Hatt - Executed NSRR Right of entry

See attached for your use/file, a copy of the executed Right of Entry for the NSRR ROW.

<<2007-05-10 Norfolk Southern Right of Entry.pdf>>

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6562 (NOTE NEW FAX NUMBER!)

Thank you. 2007-05-10 Norfolk Southern Right of Entry.pdf

Tony Russell/HW/OPC/DEQ
03/21/2007 10:29 AM

To "Gayle Jordan" <gayle.jordan@nscorp.com>
cc Jerry Banks/HW/OPC/DEQ@DEQ
bcc keith.watson@tronox.com
Subject Fw: Hattiesburg - Right of entry

Gayle,

MDEQ wants this site moved as expeditiously as possible. Tronox has scheduled the removal of the soils on the Woods property during the week of April 23 so any expedited review would alleviate our involvement for access.

Tony Russell
Assessment Remediation Branch Chief
Mississippi Department of Environmental Quality
101 West Capitol Street
Jackson, MS 39201
Phone 601-961-5318
Fax 601-961-5300

----- Forwarded by Tony Russell/HW/OPC/DEQ on 03/21/2007 10:09 AM -----

"Watson, Keith"
<Keith.Watson@tronox.com>

03/21/2007 09:37 AM

To "Hurst, Elizabeth" <Elizabeth.Hurst@tronox.com>, <Tony_Russell@deq.state.ms.us>, "Dave Upthegrove" <dupthegrove@ix.netcom.com>, "Bock, Nick" <Nick.Bock@tronox.com>
cc
Subject Hattiesburg - Right of entry

I missed her call but Gayle Jordan of the Norfolk Southern called me back a few minutes ago. She says she will endeavor to get out a revised right-of-entry agreement early next week. She requested I give her a call Monday afternoon to follow up. She commented that since her engineers had approved the plan, maybe the agreement would not be as onerous as our previous drafts.

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6563

the message is prohibited.
Please let me know immediately by return e-mail if you have received this message by mistake, then delete the e-mail message.
Thank you.

March 1[illegible], 2007

Ms. Debbie Pridgen, Public Information Officer
Mississippi Department of Environmental Quality
P. O. Box 20305
Jackson, Ms 39289-1305
VIA: Fax

RE: FOI Request for Gulf States Creosote Site in Hattiesburg, MS

Dear Ms. Pridgen:

First let me thank you for facilitating my initial Freedom of Information Act request on March 9, 2007. While the review of MDEQ's files was fruitful, a second visit is warranted. If possible, I would like to again to review all the general files relating to the Gulf State Creosote Site in Hattiesburg from 1989 to the present. Friday, March 23,2007 represents a date that conforms to my schedule. I understand that you must coordinate the records review and this date may not be feasible.

Thank you for all your help and should you have questions, please do not hesitate to contact me at (601) 545-4541.

Kind Regards,

Franklyn L. Tate, General Manger
Department of Public Services

Copy: Mayor Johnny L. DuPree
Trudy Fisher, Executive Director, MDEQ
Rennie Sellers, Director of Public Services
Tony Russell

"Watson, Keith"
<Keith.Watson@tronox.com>

03/09/2007 01:17 PM

To <agjordan@nscorp.com>

cc <Tony_Russell@deq.state.ms.us>, "Hurst, Elizabeth" <Elizabeth.Hurst@tronox.com>, "Bock, Nick" <Nick.Bock@tronox.com>, <wade.bishop@nscorp.com>

bcc

Subject Hattiesburg site - NSRR access

Ms. Jordan:

I had a call yesterday from Wade Bishop, NSRR's Manager of Environmental Remediation. He informed me that he had reviewed the plan for soil remediation along the NSRR ROW on State-owned land near Scooba Street in Hattiesburg Mississippi. Bishop told me that he had e-mailed you that the plan was acceptable and we should proceed to finalize the access agreement to remediate the site. His only comment was that NSRR would require a flagman as we would be working in the ROW.

Please send to me the draft NSRR access agreement, by email attachment or by hard copy to my address below.

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6563

TRONOX

Name: A. Keith Watson
Title: Project Manager

Phone: (405) 775-5475
Fax: (405) 775-6563
e-mail: Keith.Watson@Tronox.com

March 8, 2007

Ms. Aveleka Moore
Accounts Receivable
Mississippi Department of Environmental Quality
P.O. Box 20325
Jackson, MS 39289-1325

Re: Tronox LLC
Oversite Billing Address

Dear Ms. Moore:

I am writing to ask that you change the billing address on the attached account. My company, Tronox LLC, is the responsible party to the referenced voluntary order and we are no longer working exclusively through our outside counsel, Adams & Reese on this project. Additionally, we have moved our office, and the current address will only be forwarded to us for a short time.

Please change the billing address for # VEP-40470048 to:

Tronox LLC
Attention: Keith Watson
P.O. Box 268859
Oklahoma City, OK 73126-8859

If you have any questions or comments, please call me at (405) 775-5475.

Sincerely,

A. Keith Watson
Project Manager

Attachment

Copy: Nick Bock
Debi Martin
Tony Russell - MDEQ

STATE OF MISSISSIPPI
DEPARTMENT OF ENVIRONMENTAL QUALITY

P.O. BOX 20325
JACKSON, MS 39289-1325

** INVOICE**
** UNCONTROLLED SITES VOLUNTARY EVALUATION PROGRAM**

ADAMS AND REESE
ATTENTION: MR. KEITH WATSON
123 S KERR ST
OKLAHOMA CITY, OK 73102

INVOICE #: VEP-00002463
DATE: 02-13-2007

FINANCIAL:
AVELEKA MOORE - (601) 961-5031
ACCOUNTS_RECEIVABLE@DEQ.STATE.MS.US

ENGINEER:
TONY RUSSELL - (601) 961-5318

CUSTOMER # VEP-40470048
Date Due: 03-15-07

Please include Customer # on check made payable to MDEQ

DESCRIPTION	QTY	UNIT	PRICE	EXT-PRICE
JANUARY 2007 / D. A. RUSSELL	13.5	STAFF HOUR(S)	75.00	$1,012.50
ANALYZED SVOA SAMPLE #32394	1	SAMPLE(S)	425.00	$425.00
			TOTAL AMOUNT DUE	**$1,437.50**

Copy

"Watson, Keith"
<Keith.Watson@tronox.com>

03/07/2007 08:00 AM

To <wade.bishop@nscorp.com>

cc "Dave Upthegrove" <dupthegrove@ix.netcom.com>, <Tony_Russell@deq.state.ms.us>, "Hurst, Elizabeth" <Elizabeth.Hurst@tronox.com>, "Bock, Nick"

bcc

Subject Remediation Plan for Hattiesburg MS site

Mr. Bishop:

Gail Jordan of NSRR Law Department asked me to forward this plan to you for your review. I do not remember if you have reviewed our previous plan, but this site is in NSRR ROW on State-owned property in Hattiesburg, MS. We have addressed concerns aired by the railroad about our previously-proposed containment remedy and are now planning removal to state-mandated levels. When you can, please give me a call at 405/775-5475 to discuss how we can support Ms Jordan in completing our access agreement to accomplish this work.

<<2007-02-14 Letter to Gayle Jordan re access.pdf>>

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6563

Thank you. 2007-02-14 Letter to Gayle Jordan re access.pdf

TRONOX

Name: A. Keith Watson
Title: Project Manager

Phone: (405) 775-5475
Fax: (405) 775-6563
e-mail: Keith.Watson@Tronox.com

February 14, 2007

Ms. Gayle Jordan
Law Department
Norfolk Southern Railroad
3 Commerce Place
Norfolk, VA 23510

Re: Former Gulf States Creosote Site
Hattiesburg, Mississippi
Remediation within NSRR Right-of-Way

Dear Ms. Jordan:

As we have discussed in past meetings, Tronox LLC (formerly Kerr-McGee Chemical LLC) is being required under agreement with the Mississippi Department of Environmental Quality (MDEQ) to implement remedial actions at and near the former Gulf States Creosote site in Hattiesburg, Mississippi. The land, in a Norfolk Southern Railroad (NSRR) right-of-way near Scooba Street and Eastside Avenue in Hattiesburg (map attached), is one of the last locations we need to address to complete the action. On the map, the proposed work will be between the railroad ballast and the previously remediated ditch.

The proposed action addresses NSRR's previous objections, in that we are remediating the entire area to a MDEQ-designated cleanup standard. Also, containment and capping are not a part of the remedy, so the railroad can work and drive in the area without concern. NSRR voiced concerns regarding the constructability, drivability and maintenance of the proposed cap and Tronox proposes to perform the enhanced cleanup to remove soils exceeding the MDEQ-required cleanup goal of 43 mg/kg to eliminate the need for capping and alleviate the concerns of NSRR.

We look forward to working with you to negotiate and enter into a mutually-acceptable access agreement. MDEQ has stated its willingness to assist in negotiations on site access. I will contact you in a week or so to initiate thee discussions. If you have any questions or comments, please call me at (405) 775-5475.

Sincerely,

A. Keith Watson
Project Manager

Attachments

Attachment A
Proposed Cleanup Activities

Remediation of the ditch and adjacent land beneath the NSRR will consist of the following steps:

1. Before beginning work, Tronox and NSRR must first negotiate and enter into a mutually-acceptable access agreement. MDEQ has stated its willingness to assist in negotiations on site access.

2. Make a Mississippi One Call to locate and mark any subsurface utilities in the work area.

3. Coordinate with the City of Hattiesburg with respect to truck traffic planning and work on City easements.

4. With assistance from the City, clean out the culvert beneath Scooba Street to improve flow through the drainage system.

5. Remove affected sediment and soils from the ditch/drainage area on both sides of Scooba Street. Soils in these areas will be removed to a depth of approximately 6 feet, unless visibly clean soils are encountered at shallower depths. Excavation will not extend past a depth of 6 feet unless free product or creosote-saturated soils are present.

6. Backfill both areas with clean soil and compact/shape soils for installation of drainage components. The drainage components will consist of a continuation of the concrete-lined ditch on the upstream side of Scooba Street and rip-rap underlain by filter cloth on the downstream side of Scooba Street.

7. Remove soils exceeding 43 mg/kg benzo(a)pyrene target cleanup goal between the concrete-lined ditch an a line approximately 20 feet from the outside track of the NSRR line.

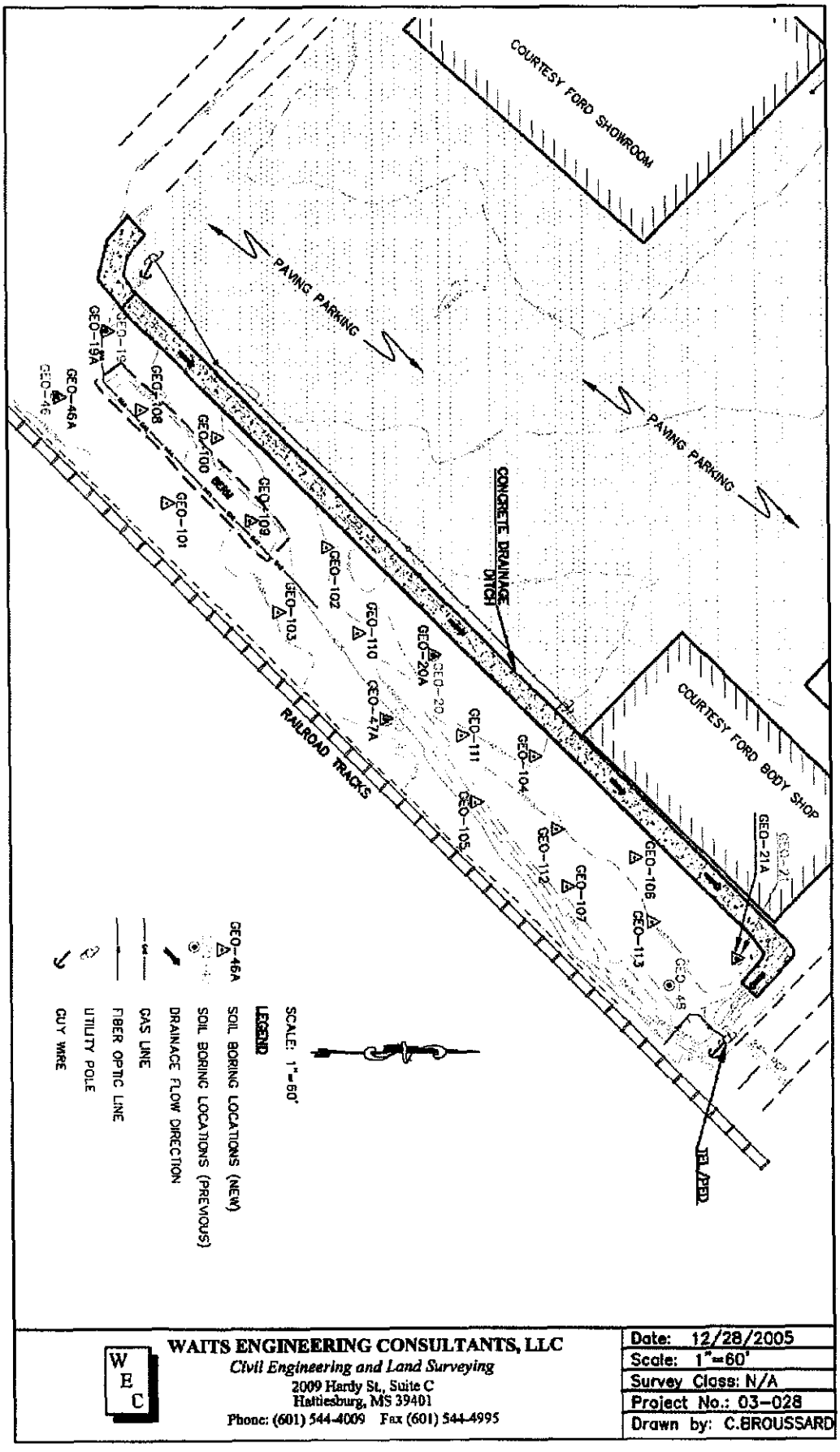
8. Collect soil samples from the base and sidewalls of excavations (the number of samples will be determined in the field with input from MDEQ). Soil samples will be analyzed for PAHs by SW-846 Method 8310.

9. Bring in, place and compact replacement soils to achieve final grades. Replacement soils will be shaped and sloped to drain to the concrete-lined ditch.

10. Seed excavated areas outside of ditch with Bermuda grass.

Tronox looks forward to working with NSRR toward final resolution of the Gulf States Creosoting site. Should you have any questions or require addition information, please contact me.

Site Layout with Soil Borings



WAITS ENGINEERING CONSULTANTS, LLC
Civil Engineering and Land Surveying
2009 Hardy St., Suite C
Hattiesburg, MS 39401
Phone: (601) 544-4009 Fax (601) 544-4995

Date:	12/28/2005
Scale:	1"=60'
Survey Class:	N/A
Project No.:	03-028
Drawn by:	C.BROUSSARD

Summary of Benzo(a)Pyrene Data
Southern Railroad Track Area

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Row 1

Sample ID	B(a)p (mg/kg)
GEO-19A(0-1')	24
GEO-19A(1-2')	0.065 J
GEO-19A(2-3')	0.036 J
GEO-100(0-1')	9.4
GEO-100(1-2')	**56**
GEO-100(2-3')	35
GEO-100(4-5')	**180**
GEO-100(5-6')	8.6
GEO-102(1-2')	**68**
GEO-102(2-3')	36
GEO-102(4-5')	2.2
GEO-102(5-6')	0.26
Fill to 1.5'	
GEO-20A(1.5-2')	38
GEO-20A(2-3')	26
GEO-20A(3-4')	7.4
GEO-20A(5-6')	2.7
Fill to 2'	
GEO-104(2-3')	0.18
GEO-104(4-5')	1.1
Heavily stained to 3'	
GEO-106(3-4')	16
GEO-106(5-6')	0.47
Heavily stained to 5'	
GEO-21A(5-6')	0.37

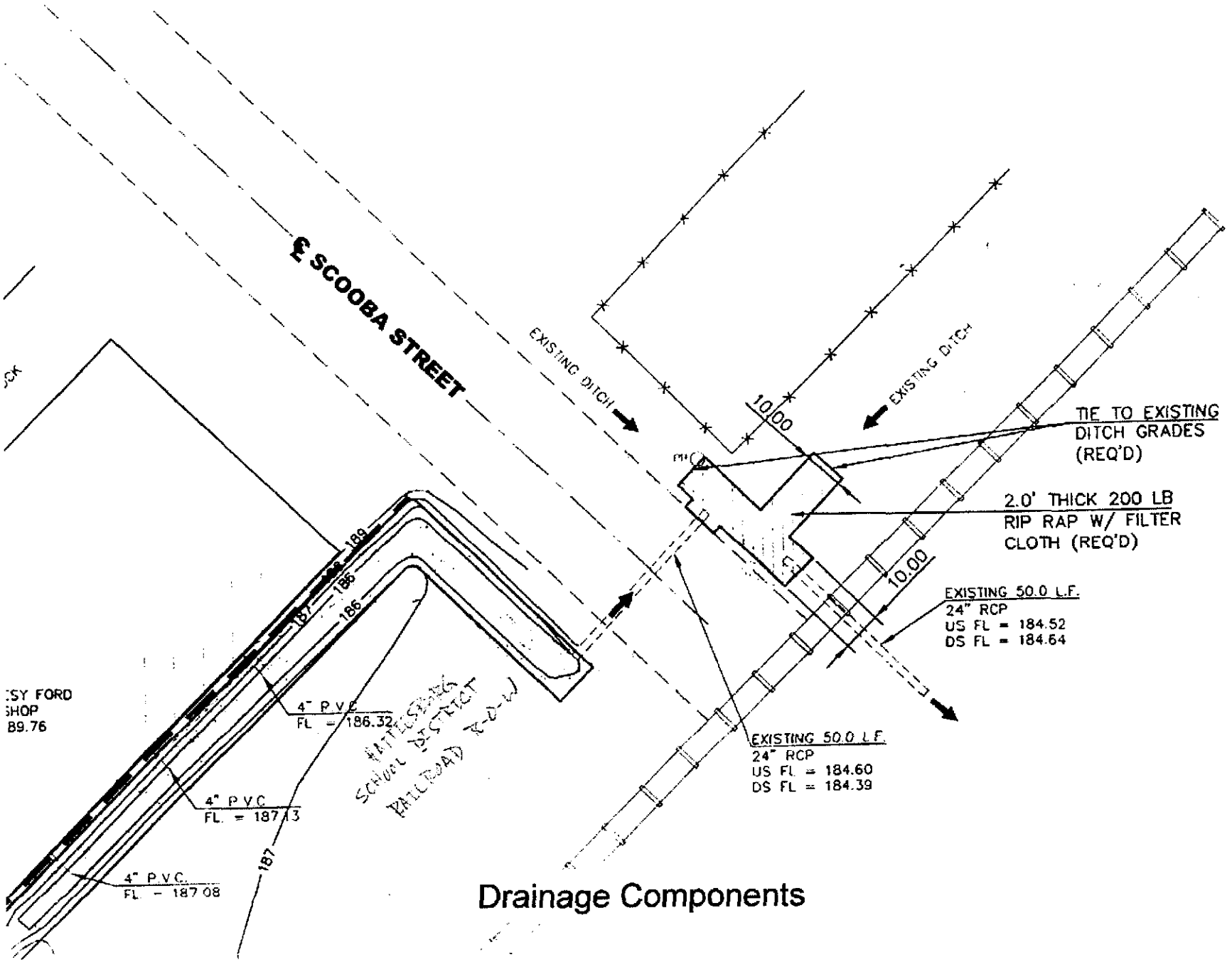
Row 2

Sample ID	B(a)p (mg/kg)
GEO-108(1-2')	**51**
GEO-108(3-4')	**64**
GEO-108(5-6')	32
GEO-109(0-1')	20
GEO-109(1-2')	ND (0.17)
GEO-109(2-3')	2.1
Fill to 2'	
GEO-110(2-3')	3.7
GEO-110(3-4')	ND (0.17)
GEO-111(1-2')	**310**
GEO-111(2-3')	7.7
GEO-111(4-5')	0.86
Fill to 1'	
GEO-112(1-2')	ND (0.17)
GEO-112(2-3')	ND (0.17)
GEO-113(1-2')	**780**
GEO-113(3-4')	1.6
GEO-113(5-6')	6.2

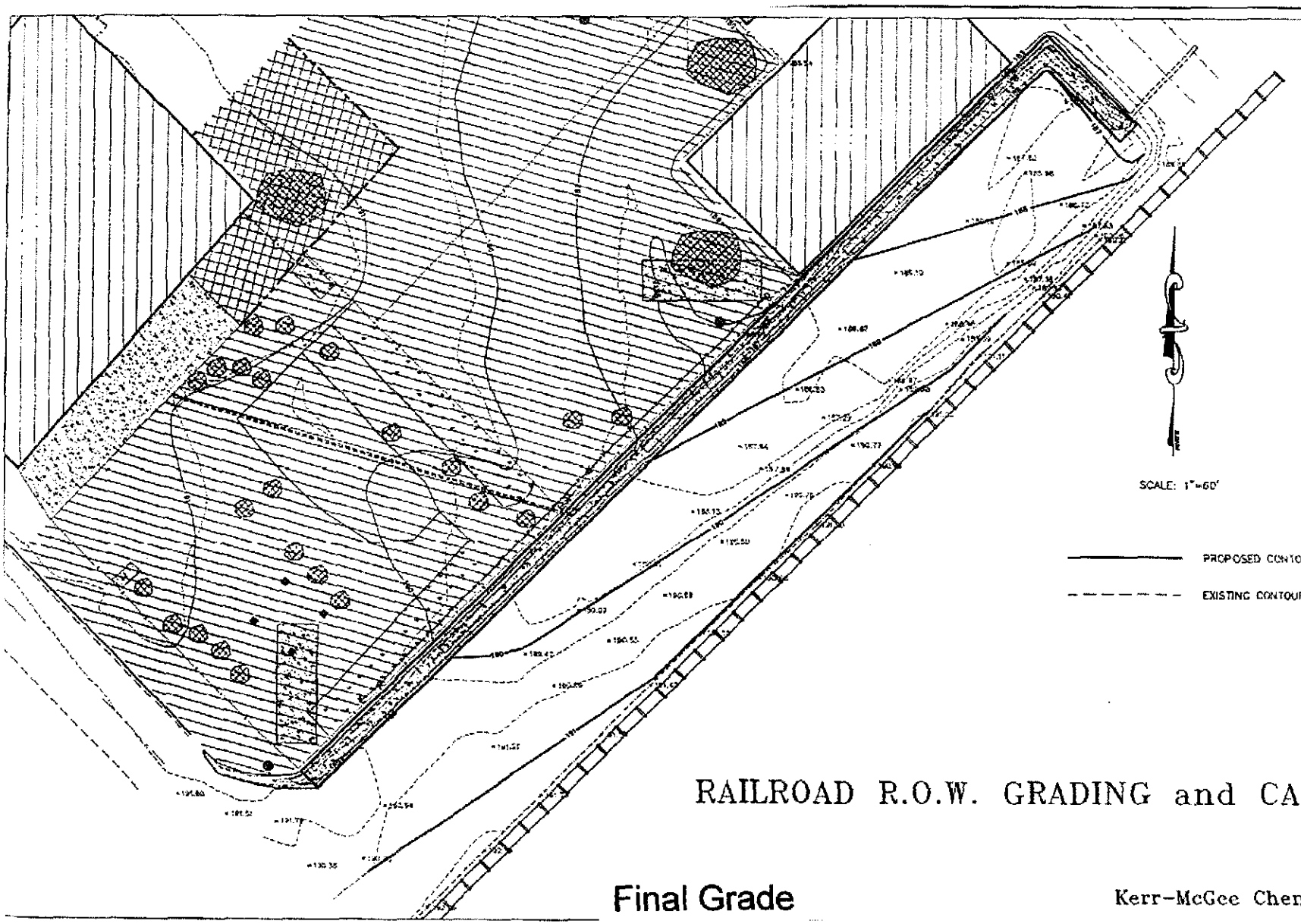
Row 3

Sample ID	B(a)p (mg/kg)
GEO-46A(0-1')	16
GEO-46A(1-2')	2.3
GEO-46A(2-3')	ND (0.17)
GEO-46A(5-6')	ND (0.17)
GEO-101(0-1')	18
GEO-101(1-2')	28
GEO-101(2-3')	ND (0.17)
GEO-101(5-6')	14
GEO-103(0-1')	0.084 J
GEO-103(1-2')	14
GEO-103(2-3')	2
GEO-103(5-6')	ND (0.17)
GEO-47A(0-1')	14
GEO-47A(1-2')	ND (0.17)
GEO-47A(5-6')	3.1
GEO-105(0-1')	21
GEO-105(1-2')	**99**
GEO-105(2-3')	29
GEO-105(5-6')	7
GEO-107(0-1')	**200**
GEO-107(1-2')	**100**
GEO-107(2-3')	0.75
GEO-107(5-6')	0.79
GEO-48A(0-1')	**400**
GEO-48A(1-2')	**190**
GEO-48A(2-3')	**48**
GEO-48A(4-5')	ND (0.17)

Note: Boxed value exceeds MDEQ proposed remediation goal of 43 mg/kg.



Drainage Components



RAILROAD R.O.W. GRADING and CAPPING

Final Grade

Kerr-McGee Chemical, LLC

FILE COPY

STATE OF MISSISSIPPI
HALEY BARBOUR
GOVERNOR
MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
CHARLES H. CHISOLM, EXECUTIVE DIRECTOR

March 5, 2007

Honorable Thad Cochran
United States Senate
188 East Capitol Street
Suite 614
Jackson, Mississippi 39201-2125

Dear Senator Cochran:

Re: Kerr-McGee(Tronox) Site
Hattiesburg, Mississippi

The purpose of this letter is to provide you a response to your letter of December 5, 2006 regarding Mississippi Department of Environmental Quality's (MDEQ) involvement in the remediation of the Kerr-McGee (Tronox) site located in Hattiesburg, Mississippi. The Department's responsibility in this matter was to approve a Remedial Action Workplan and to provide oversight for the remediation of the contaminated property associated with the site in order to provide continued protection of the environment and the public from contaminants on and around the site.

As an update of our letter to you of June 20, 2006, the remediation of the site and surrounding impacted area is estimated to be 98% complete except for two parcels of property: Mrs. Woods and Railroad right-of-way. The company has recently secured access to Mrs. Woods property and remediation will commence after she vacates the house in early April. The remaining property requiring remediation is a piece of railroad right-of-way for which negotiations are ongoing for access. If the company fails to negotiate access to the railroad right-of-way then we will have to evaluate what actions that we can pursue to bring the remediation to a conclusion.

The MDEQ has strived, as always, through this entire process to assure that the environment and public are protected from the contaminants that were found and

removed from the site and surrounding area by reviewing and approving the assessment and remediation plans submitted by the company and providing oversight during the implementation of the remediation plan. The MDEQ has provided oversight of the remediation of this site in much the same way as hundreds of sites that have already been remediated. However, in this case due to community concerns the MDEQ held two public information meetings to provide the community with information on the proposed remediation plan and to answer questions concerning the remediation plan. However, contrary to the request, the MDEQ is not able to provide information that would suggest that the contaminants found at the site and surrounding area are the source of medical problems mentioned by many of the residents.

There have been numerous legal battles going on with the site regarding damages (personal and property) which the MDEQ is not a party to and has no legal authority to intervene. Again, our responsibility is to approve and oversee the remediation of the site and surrounding area so that it is protective of the environment and the public.

If I can be of further assistance of if you have further questions please call me at 601-961-5100.

Sincerely,

Jerry Cain, P.E., DEE, Director
Office of Pollution Control

Jonny's copy

March , 2007

Ms. Debbie Pridgen, Public Information Officer
Mississippi Department of Environmental Quality
P. O. Box 20305
Jackson, Ms 39289-1305
VIA: Fax

RE: FOI Request for Gulf States Creosote Site in Hattiesburg, MS

Dear Ms. Pridgen:

Thank you for speaking with me earlier today. In accordance with MDEQ FOI Act procedures, and as we discussed, I would like to review all the general files relating to the Gulf State Creosote Site in Hattiesburg from 1989 to the present. I have designated Friday, March 8 as a potential date for a visit to your office. I understand that you must coordinate the records review and this date may not be feasible.

I look forward to your timely response to this request. Should you have questions please do not hesitate to contact me at (601) 545-4541.

Kind Regards,

Franklyn L. Tate

Franklyn L. Tate, General Manger
Department of Public Services

Copy: Mayor Johnny L. DuPree
Trudy Fisher, Executive Director, MDEQ
Bennie Sellers, Director of Public Services

THINK HUB

PUBLIC SERVICES DEPARTMENT

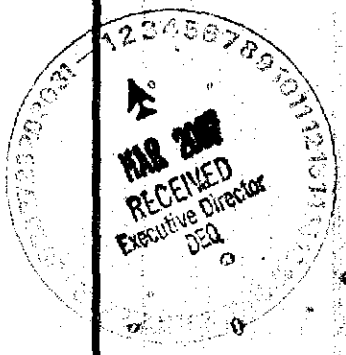
P.O. BOX 1898
HATTIESBURG, MS 39403-1898
PHONE: 601-545-4640
FAX: 601-545-4642

The City of Hattiesburg

FACSIMILE TRANSMITTAL

To: TRUDY FISHER	Fax: 601 961-5794
From: FRANKLYN TATE	Date: 3/1/06
Re: GULF STATES CREOSOTE SITE (HATTIESBURG)	Pages: 1
CC:	

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☑ Please Recycle



Summary of 2006 DNAPL Recovery Activities
Gordon's Creek Fill Area
February 28, 2007

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

DNAPL Monitoring and Recovery System

In late 2003, Kerr-McGee Chemical LLC (now Tronox LLC) installed a system of 17 recovery wells (FARW-01 through FARW-17) behind the Waterloo Barrier at the western edge of the Gordon's Creek Fill Area containment area. As a result of remediation conducted at the Fill Area, the barrier now forms the eastern bank of the creek adjacent to the containment area. Recovery wells were installed at 25-foot intervals to allow for the collection and removal of dense non-aqueous phase liquids (DNAPLs) accumulating behind the barrier, where present. Tronox also installed 12 monitoring wells (FAMW-01 through FAMW-12) at 50-foot intervals to monitor for the presence of DNAPLs at the contact between the Fill Area sands and the underlying Hattiesburg clay.

The locations of Fill Area monitoring and recovery wells are shown on attached Figure 1. Well completion information is summarized in Table 1.

DNAPL Gauging and Recovery Operations

In May 2004, Tronox began to gauge and recover DNAPL from the system on a monthly basis. In early 2005, MDEQ approved a decrease in gauging and recovery frequency from monthly to quarterly.

Regular procedures for DNAPL gauging and recovery are as follows:

- Remove manhole covers and well caps.
- Measure the depth to water level from top of casing in each recovery and monitoring well using an electronic water level indicator.
- Check for the presence of DNAPL in each recovery and monitoring well using weighted cotton string.
- If wells contain measurable free product (i.e., 0.1 foot or more), install copper drop tubes extending from the base of each recovery well to land surface. Drop tubes are connected directly to silicon tubing to allow recovery of DNAPL using a peristaltic pump.
- Pump all recovery wells containing measurable amounts of free DNAPL into sealable containers. Wells are pumped until only a sheen is present.
- Transport product/water mixture to Tronox's Columbus, Mississippi recovery system for recycle/reuse.

Summary of 2006 DNAPL Recovery Activities
Gordon's Creek Fill Area
February 28, 2007

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

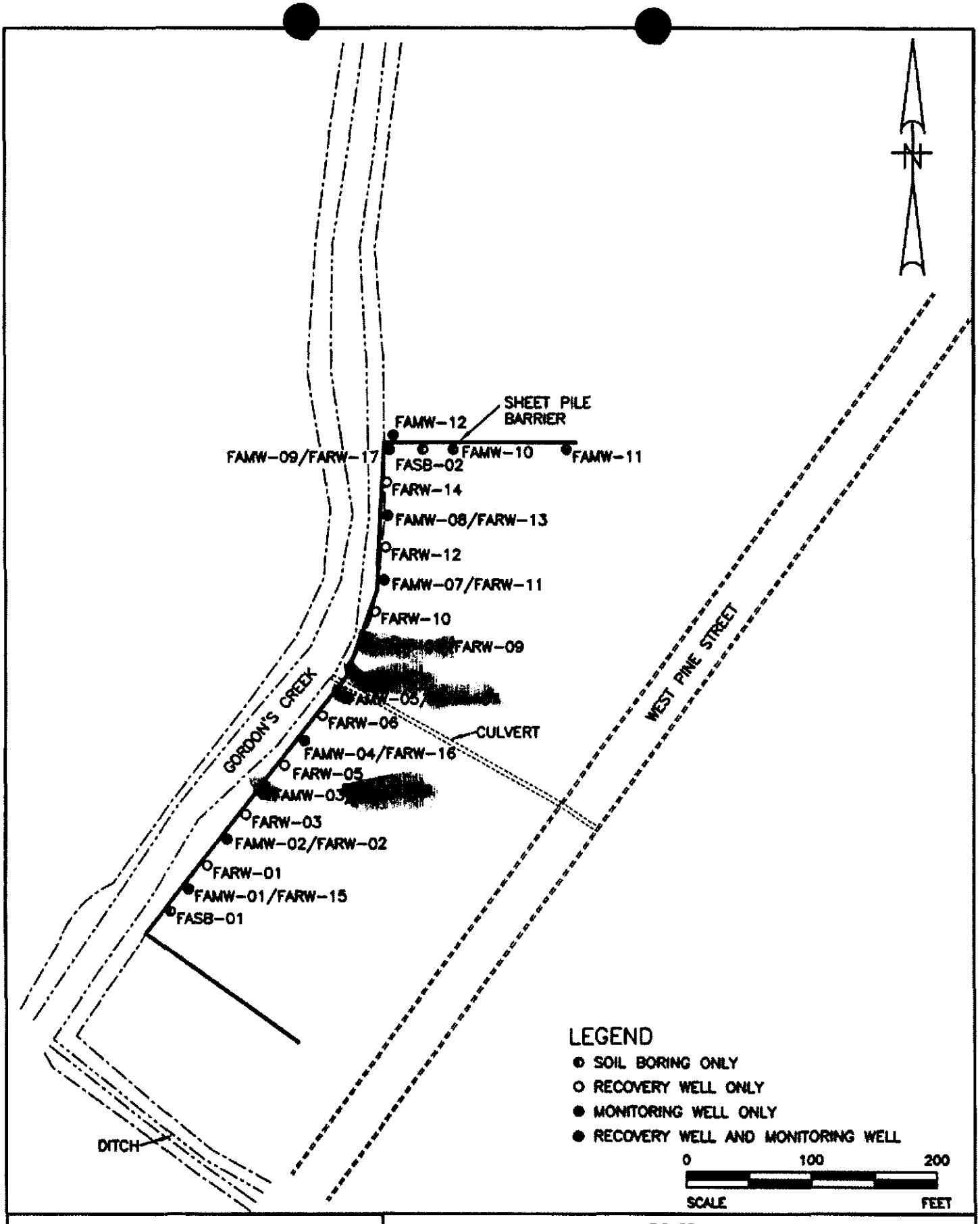
Summary of Gauging and Recovery Activities to Date

Tronox conducted quarterly well gauging and DNAPL recovery at the Gordon's Creek Fill Area (the Fill Area) in 2006. Measurable product was encountered in February 2006 in wells FAMW-06 and FARW-07, where only trace amounts had been present previously. Tubing was installed in these wells to allow for DNAPL recovery.

The results of well gauging and recovery are summarized in Tables 2 through 4. To date, measurable DNAPL (i.e., 0.1 foot or more) has been encountered in five recovery wells (FARW-04, FARW-06, FARW -07, FARW-08 and FARW-10) and one monitoring well (FAMW-06). As shown on Table 4, a total of 1.75 gallons of DNAPL was removed from the system in 2006.

Future Gauging and Recovery

Tronox will continue to gauge and recover DNAPLs in monitoring and recovery wells on a quarterly basis. A schedule for 2007 gauging/recovery events was provided to MDEQ in a letter dated February 5, 2007. Tronox will submit annual reports summarizing the results of gauging and recovery activities no later than March 1 of the following year.



MICHAEL PISANI & ASSOCIATES
Environmental Management and Engineering Services
New Orleans, Louisiana Houston, Texas

SCALE: 1"=100' | DWG. NO.: 21-04/322A

FIGURE 1
RECOVERY WELL AND MONITORING WELL LOCATIONS
FILL AREA
FORMER GULF STATES CREOSOTING SITE
HATTIESBURG, MISSISSIPPI

Table 1

Well Completion Data
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Installation Date	Construction Materials	Distance from Upstream Wingwall (ft.)	Boring Depth	Screened Interval	Depth to Top of Filter Pack	Depth to Top of Bentonite Seal
FAMW-01	11/3/2003	2" PVC	50	28.0	21.3-26.3	19.0	17.0
FAMW-02	11/4/2003	2" PVC	100	26.0	19.0-24.0	17.0	15.0
FAMW-03	11/4/2003	2" PVC	150	24.0	17.0-22.0	15.0	13.0
FAMW-04	11/4/2003	2" PVC	200	24.0	17.0-22.0	15.0	13.0
FAMW-05	11/6/2003	2" PVC	250	24.0	18.0-23.0	16.0	14.0
FAMW-06	11/4/2003	2" PVC	300	22.0	16.0-21.0	14.0	12.0
FAMW-07	11/6/2003	2" PVC	350	24.0	18.0-23.0	16.0	14.0
FAMW-08	11/6/2003	2" PVC	400	22.0	16.0-21.0	14.0	12.0
FAMW-09	11/5/2003	2" PVC	450	22.0	16.0-21.0	14.0	12.0
FAMW-10	11/5/2003	2" PVC	Wing Wall	24.0	18.0-23.0	16.0	14.0
FAMW-11	11/5/2003	2" PVC	Wing Wall	28.0	22.5-27.5	20.5	18.5
FAMW-12	11/5/2003	2" PVC	Outside WW	22.0	16.0-21.0	14.0	12.0
FARW-01	11/7/2003	4" SS	75	10.0	5.0-10.0	4.0	3.5
FARW-02	11/7/2003	4" SS	100	12.0	5.0-10.0	4.0	3.5
FARW-03	11/7/2003	4" SS	125	12.0	6.5-11.5	5.5	4.5
FARW-04	11/10/2003	4" SS	150	12.0	6.5-11.5	5.5	4.5
FARW-05	11/10/2003	4" SS	175	12.0	6.5-11.5	5.5	4.5
FARW-06	11/10/2003	4" SS	225	12.0	6.0-11.0	5.0	4.0
FARW-07	11/10/2003	4" SS	250	13.5	8.5-13.5	6.5	4.5
FARW-08	11/10/2003	4" SS	275	12.0	6.0-11.0	5.0	4.0
FARW-09	11/11/2003	4" SS	300	10.5	5.5-10.5	4.5	3.5
FARW-10	11/11/2003	4" SS	325	24.0	6.0-21.0	5.0	4.0
FARW-11	11/12/2003	4" SS	350	22.0	7.0-22.0	5.0	4.0
FARW-12	11/11/2003	4" SS	375	14.0	3.0-8.0	2.5	2.0
FARW-13	11/12/2003	4" SS	400	10.5	5.5-10.5	4.5	3.5
FARW-14	11/12/2003	4" SS	425	10.0	5.0-10.0	4.0	3.5
FARW-15	11/20/2003	4" SS	50	9.0	4.0-9.0	3.0	2.0
FARW-16	11/20/2003	4" SS	200	8.5	3.5-8.5	3.0	2.0
FARW-17	11/20/2003	4" SS	450	8.5	3.5-8.5	3.0	2.0

Note:
All depths are reported in feet below land surface.

Table 2

Water Levels
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date										
	5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	5.17	4.41	2.88	3.24	3.40	3.29	3.00	3.52	4.18	NM	NM
FAMW-02	3.93	3.32	2.90	3.30	3.34	3.37	3.01	3.05	2.98	3.90	4.01
FAMW-03	3.97	3.25	2.34	2.74	2.95	3.00	2.50	2.90	2.99	NM	NM
FAMW-04	3.42	2.96	1.89	1.75	2.20	2.33	1.67	1.83	1.93	NM	NM
FAMW-05	2.79	2.46	2.02	2.03	2.43	2.95	2.12	2.05	1.01	NM	NM
FAMW-06	2.75	2.10	2.00	2.38	2.69	2.99	2.48	2.35	1.23	2.45	2.84
FAMW-07	2.37	2.30	2.17	2.37	2.72	3.02	2.54	2.69	1.53	3.28	3.40
FAMW-08	2.88	2.42	2.46	2.58	2.87	3.25	2.94	3.03	1.69	3.27	3.52
FAMW-09	3.53	3.12	4.83	5.42	5.86	6.20	5.88	4.92	1.95	3.59	3.97
FAMW-10	6.18	5.31	9.90	7.55	8.00	8.34	8.13	7.64	5.88	NM	NM
FAMW-11	8.25	7.30	9.06	6.29	6.79	6.90	6.60	8.40	9.94	8.68	9.14
FAMW-12	6.24	6.14	4.05	4.40	4.62	4.61	4.20	6.43	9.15	7.09	10.22
FARW-01	3.16	2.50	2.04	2.52	2.67	2.74	1.25	1.41	1.16	3.21	2.89
FARW-02	2.03	1.49	1.87	1.52	1.70	1.72	0.04	0.32	0.18	2.40	1.92
FARW-03	2.63	1.38	0.75	1.40	1.40	1.42	1.10	0.89	0.49	2.15	2.01
FARW-04	2.60	1.80	1.99	1.53	1.47	1.50	1.46	1.39	0.30	1.68	2.78
FARW-05	2.29	1.45	0.99	1.67	1.69	1.96	0.81	0.93	0.21	0.70	2.72
FARW-06	1.78	0.98	0.60	1.10	1.35	1.40	0.75	0.71	0.00	1.95	1.72
FARW-07	2.15	1.34	0.10	1.29	1.63	1.68	0.88	0.69	0.49	2.27	2.10
FARW-08	2.34	1.81	1.68	1.80	2.15	2.03	1.41	1.52	1.00	2.67	2.48
FARW-09	2.69	2.31	2.19	2.00	2.12	2.58	2.00	1.93	1.33	2.65	2.60
FARW-10	2.42	1.87	1.68	1.79	2.26	2.44	1.72	1.54	1.12	2.86	2.85
FARW-11	2.37	1.78	1.38	1.84	2.04	2.39	1.87	1.90	1.10	2.70	2.87
FARW-12	3.07	0.04	0.20	0.03	0.77	0.85	0.89	0.76	0.00	1.60	0.67
FARW-13	0.10	0.01	0.05	0.01	1.12	1.35	0.71	0.21	0.00	1.54	1.45
FARW-14	1.35	0.95	0.56	0.70	0.89	1.10	0.03	0.34	0.00	1.33	1.03
FARW-15	3.38	2.64	2.04	2.51	2.65	2.62	1.35	2.43	1.15	3.20	2.91
FARW-16	1.50	1.19	1.22	1.50	1.60	1.63	0.05	0.33	0.41	3.00	2.00
FARW-17	0.98	0.90	0.74	0.50	0.83	0.90	0.31	0.77	0.00	1.49	1.00

Note:
Water levels are reported in feet below top of casing.
NM - water level not measured during this event.

Table 2 (continued)

Water Levels
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date 2/21/06	5/15/06	8/21/06	11/9/06
FAMW-01	NM	NM	NM	4.43
FAMW-02	3.43	0.63	3.33	3.34
FAMW-03	NM	NM	NM	3.31
FAMW-04	NM	NM	NM	2.77
FAMW-05	NM	NM	NM	1.96
FAMW-06	2.05	2.01	2.60	2.60
FAMW-07	2.42	2.01	2.87	2.97
FAMW-08	2.54	2.21	2.98	3.00
FAMW-09	2.85	2.40	3.26	3.48
FAMW-10	NM	NM	NM	9.44
FAMW-11	8.00	7.58	8.60	8.80
FAMW-12	6.60	6.59	6.97	6.80
FARW-01	1.32	1.70	2.19	1.93
FARW-02	0.41	3.27	1.20	0.90
FARW-03	0.87	0.78	1.22	1.82
FARW-04	2.47	1.98	1.50	1.47
FARW-05	1.47	1.16	1.28	1.59
FARW-06	0.54	0.47	0.80	0.87
FARW-07	0.57	0.68	1.19	1.34
FARW-08	1.30	1.44	1.80	1.77
FARW-09	1.92	2.04	2.21	2.01
FARW-10	1.68	1.67	2.23	2.19
FARW-11	1.81	1.47	2.27	2.40
FARW-12	0.10	0.08	0.93	0.30
FARW-13	0.10	0.39	1.01	0.20
FARW-14	0.31	0.18	0.86	0.70
FARW-15	1.27	1.62	2.26	1.95
FARW-16	0.65	0.90	1.39	0.97
FARW-17	0.30	0.18	0.91	0.40

Note:
Water levels are reported in feet below top of casing.
NM - water level not measured during this event.

Table 3

Ground Water Elevations
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	TOC Elev.	Date 5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	183.90	178.73	179.49	181.02	180.66	180.50	180.61	180.90	180.38	179.72	NM	NM
FAMW-02	182.72	178.79	179.40	179.82	179.42	179.38	179.35	179.71	179.67	179.74	178.82	178.71
FAMW-03	182.78	178.81	179.53	180.44	180.04	179.83	179.78	180.28	179.88	179.79	NM	NM
FAMW-04	182.72	179.30	179.76	180.83	180.97	180.52	180.39	181.05	180.89	180.79	NM	NM
FAMW-05	181.99	179.20	179.53	179.97	179.96	179.56	179.04	179.87	179.94	180.98	NM	NM
FAMW-06	181.64	178.89	179.54	179.64	179.26	178.95	178.65	179.16	179.29	180.41	179.19	178.80
FAMW-07	181.75	179.38	179.45	179.58	179.38	179.03	178.73	179.21	179.06	180.22	178.47	178.35
FAMW-08	181.74	178.86	179.32	179.28	179.16	178.87	178.49	178.80	178.71	180.05	178.47	178.22
FAMW-09	181.93	178.40	178.81	177.10	176.51	176.07	175.73	176.05	177.01	179.98	178.34	177.96
FAMW-10	184.43	178.25	179.12	174.53	176.88	176.43	176.09	176.30	176.79	178.55	NM	NM
FAMW-11	186.11	177.86	178.81	177.05	179.82	179.32	179.21	179.51	177.71	176.17	177.43	176.97
FAMW-12	182.96	176.72	176.82	178.91	178.56	178.34	178.35	178.76	176.53	173.81	175.87	172.74
FARW-01	183.74	180.58	181.24	181.70	181.22	181.07	181.00	182.49	182.33	182.58	180.53	180.85
FARW-02	182.77	180.74	181.28	180.90	181.25	181.07	181.05	182.73	182.45	182.59	180.37	180.85
FARW-03	182.30	179.67	180.92	181.55	180.90	180.90	180.88	181.20	181.41	181.81	180.15	180.29
FARW-04	182.35	179.75	180.55	180.36	180.82	180.88	180.85	180.89	180.96	182.05	180.67	179.57
FARW-05	182.36	180.07	180.91	181.37	180.69	180.67	180.40	181.55	181.43	182.15	181.66	179.64
FARW-06	181.51	179.73	180.53	180.91	180.41	180.16	180.11	180.76	180.60	181.51	179.56	179.79
FARW-07	181.53	179.38	180.19	181.43	180.24	179.90	179.85	180.65	180.84	181.04	179.26	179.43
FARW-08	181.33	178.99	179.52	179.65	179.53	179.18	179.30	179.92	179.81	180.33	178.66	178.85
FARW-09	181.23	178.54	178.92	179.04	179.23	179.11	178.65	179.23	179.30	179.90	178.58	178.63
FARW-10	181.40	178.98	179.53	179.72	179.61	179.14	178.96	179.68	179.86	180.28	178.54	178.55
FARW-11	181.14	178.77	179.36	179.76	179.30	179.10	178.75	179.27	179.24	180.04	178.44	178.27
FARW-12	181.22	178.15	181.18	181.02	181.19	180.45	180.37	180.33	180.46	181.22	179.62	180.55
FARW-13	181.29	181.19	181.28	181.24	181.28	180.17	179.94	180.58	181.08	181.29	179.75	179.84
FARW-14	181.30	179.95	180.35	180.74	180.60	180.41	180.20	181.27	180.96	181.30	179.97	180.27
FARW-15	183.78	180.40	181.14	181.74	181.27	181.13	181.16	182.43	181.35	182.63	180.58	180.87
FARW-16	182.58	181.08	181.39	181.36	181.08	180.98	180.95	182.53	182.25	182.17	179.58	180.58
FARW-17	181.33	180.35	180.43	180.59	180.83	180.50	180.43	181.02	180.56	181.33	179.84	180.33

Note:
Ground water elevations are reported in feet above mean sea level.
NM - water level not measured during this event.

Table 3 (continued)

Ground Water Elevations
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	TOC Elev.	Date 2/21/06	5/15/06	8/21/06	11/9/06
FAMW-01	183.90	NM	NM	NM	179.47
FAMW-02	182.72	179.29	182.09	179.39	179.38
FAMW-03	182.78	NM	NM	NM	179.47
FAMW-04	182.72	NM	NM	NM	179.95
FAMW-05	181.99	NM	NM	NM	180.03
FAMW-06	181.64	179.59	179.63	179.04	179.04
FAMW-07	181.75	179.33	179.74	178.88	178.78
FAMW-08	181.74	179.20	179.53	178.76	178.74
FAMW-09	181.93	179.08	179.53	178.67	178.45
FAMW-10	184.43	NM	NM	NM	174.99
FAMW-11	186.11	178.11	178.53	177.51	177.31
FAMW-12	182.96	176.36	176.37	175.99	176.16
FARW-01	183.74	182.42	182.04	181.55	181.81
FARW-02	182.77	182.36	179.50	181.57	181.87
FARW-03	182.30	181.43	181.52	181.08	180.48
FARW-04	182.35	179.88	180.37	180.85	180.88
FARW-05	182.36	180.89	181.20	181.08	180.77
FARW-06	181.51	180.97	181.04	180.71	180.64
FARW-07	181.53	180.96	180.85	180.34	180.19
FARW-08	181.33	180.03	179.89	179.53	179.56
FARW-09	181.23	179.31	179.19	179.02	179.22
FARW-10	181.40	179.72	179.73	179.17	179.21
FARW-11	181.14	179.33	179.67	178.87	178.74
FARW-12	181.22	181.12	181.14	180.29	180.92
FARW-13	181.29	181.19	180.90	180.28	181.09
FARW-14	181.30	180.99	181.12	180.44	180.60
FARW-15	183.78	182.51	182.16	181.52	181.83
FARW-16	182.58	181.93	181.68	181.19	181.61
FARW-17	181.33	181.03	181.15	180.42	180.93

Note:
Ground water elevations are reported in feet above mean sea level.
NM - water level not measured during this event.

Table 4

Product Measurements
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date										
	5/13/04	6/15/04	7/27/04	8/23/04	9/20/04	10/18/04	12/1/04	3/31/05	6/7/05	10/24/05	12/13/05
FAMW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-04	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-05	Clean	Clean	Clean	Clean	Clean	Trace	Trace	Trace	Clean	NM	NM
FAMW-06	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Trace	Trace	Trace
FAMW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-08	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-09	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-10	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	NM	NM
FAMW-11	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FAMW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-01	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-02	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-03	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-04	Trace	0.1	Trace	Trace	Trace	Trace	Trace	Trace	Trace	0.16	Trace
FARW-05	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-06	0.31	0.27	Clean	Trace	0.35	0.1	Trace	Trace	Trace	0.15	Trace
FARW-07	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Trace
FARW-08	0.05	Trace	Trace	Trace	Trace	0.2	0.1	0.3	0.4	0.46	Trace
FARW-09	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-10	0.5	0.38	Trace	Clean	0.8	Trace	0.1	0.2	0.1	Trace	Trace
FARW-11	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-12	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-13	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-14	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-15	Clean	Clean (a)	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-16	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
FARW-17	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean	Clean
Product Recovered (gals)	1.25	0.25	0.25	1.25	0.5	0.25	0.25	0.5	0.5	1	0.25

Note:
Product thickness is reported in feet, where present.
(a) Sheen reported
NM - product thickness not measured during this event.

Table 4 (continued)

Product Measurements
Fill Area Gauging and Recovery Project

Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Well #	Date 2/21/06	5/15/06	8/21/06	11/9/06
FAMW-01	NM	NM	NM	Trace
FAMW-02	Clean	Clean	Clean	Clean
FAMW-03	NM	NM	NM	Clean
FAMW-04	NM	NM	NM	Clean
FAMW-05	NM	NM	NM	Clean
[redacted]	0.4	0.57	0.77	1.05
FAMW-07	Clean	Clean	Clean	Clean
FAMW-08	Clean	Clean	Clean	Clean
FAMW-09	Clean	Clean	Clean	Clean
FAMW-10	NM	NM	NM	Clean
FAMW-11	Clean	Clean	Clean	Clean
FAMW-12	Clean	Clean	Clean	Clean
FARW-01	Clean	Clean	Clean	Clean
FARW-02	Clean	Clean	Clean	Clean
FARW-03	Clean	Clean	Clean	Clean
[redacted]	Trace	0.21	Trace	Trace
FARW-05	Clean	Clean	Clean	Clean
FARW-06	Trace	Trace	Trace	Trace
[redacted]	0.31	0.28	Trace	Trace
[redacted]	0.27	0.25	0.28	Trace
FARW-09	Clean	Clean	Clean	Clean
FARW-10	Clean	Clean	Trace	Clean
FARW-11	Clean	Clean	Clean	Clean
FARW-12	Clean	Clean	Clean	Clean
FARW-13	Clean	Clean	Clean	Clean
FARW-14	Clean	Clean	Clean	Clean
FARW-15	Clean	Clean	Clean	Clean
FARW-16	Clean	Clean	Clean	Clean
FARW-17	Clean	Clean	Clean	Clean
Product Recovered (gals)	0.5	0.5	0.25	0.5

Note:
Product thickness is reported in feet, where present.
(a) Sheen reported
NM - product thickness not measured during this event.

2006 GROUNDWATER ELEVATIONS & PRODUCT THICKNESS

Date:	2/21/2006		Date:	5/15/2006		Date:	8/21/2006		Date:	11/9/2006	
Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness	Well#	Depth to Water	Sinker Thickness
MW -1	3.67	Clean	MW -1	3.74	Clean	MW -1	4.21	Clean	MW -1	4.43	Trace
MW - 2	3.43	Clean	MW - 2	0.63	Clean	MW - 2	3.33	Clean	MW - 2	3.34	Clean
MW - 3			MW - 3			MW - 3			MW - 3	3.31	Clean
MW - 4			MW - 4			MW - 4			MW - 4	2.77	Clean
MW - 5			MW - 5			MW - 5			MW - 5	1.96	Clean
MW - 6	2.05	0.4	MW - 6	2.01	0.57	MW - 6	2.6	0.77	MW - 6	2.6	1.05
MW - 7	2.42	Clean	MW - 7	2.01	Clean	MW - 7	2.87	Clean	MW - 7	2.97	Clean
MW - 8	2.54	Clean	MW - 8	2.21	Clean	MW - 8	2.98	Clean	MW - 8	3	Clean
MW - 9	2.85	Clean	MW - 9	2.4	Clean	MW - 9	3.26	Clean	MW - 9	3.48	Clean
MW - 10			MW - 10			MW - 10			MW - 10	9.44	Clean
MW - 11	8	Clean	MW - 11	7.58	Clean	MW - 11	8.6	Clean	MW - 11	8.8	Clean
MW - 12	6.6	Clean	MW - 12	6.59	Clean	MW - 12	6.97	Clean	MW - 12	6.8	Clean
RW - 1	1.32	Clean	RW - 1	1.7	Clean	RW - 1	2.19	Clean	RW - 1	1.93	Clean
RW - 2	0.41	Clean	RW - 2	3.27	Clean	RW - 2	1.2	Clean	RW - 2	0.9	Clean
RW - 3	0.87	Clean	RW - 3	0.78	Clean	RW - 3	1.22	Clean	RW - 3	1.82	Clean
RW - 4	2.47	Trace	RW - 4	1.98	0.21	RW - 4	1.5	Trace	RW - 4	1.47	Trace
RW - 5	1.47	Clean	RW - 5	1.16	Clean	RW - 5	1.28	Clean	RW - 5	1.59	Clean
RW - 6	0.54	Trace	RW - 6	0.47	Trace	RW - 6	0.8	Trace	RW - 6	0.87	Trace
RW - 7	0.57	0.31	RW - 7	0.68	0.28	RW - 7	1.19	Trace	RW - 7	1.34	Trace
RW - 8	1.3	0.27	RW - 8	1.44	0.25	RW - 8	1.8	0.28	RW - 8	1.77	Trace
RW - 9	1.92	Clean	RW - 9	2.04	Clean	RW - 9	2.21	Clean	RW - 9	2.01	Clean
RW - 10	1.68	Clean	RW - 10	1.67	Clean	RW - 10	2.23	Trace	RW - 10	2.19	Clean
RW - 11	1.81	Clean	RW - 11	1.47	Clean	RW - 11	2.27	Clean	RW - 11	2.4	Clean
RW - 12	0.1	Clean	RW - 12	0.08	Clean	RW - 12	0.93	Clean	RW - 12	0.3	Clean
RW - 13	0.1	Clean	RW - 13	0.39	Clean	RW - 13	1.01	Clean	RW - 13	0.2	Clean
RW - 14	0.31	Clean	RW - 14	0.18	Clean	RW - 14	0.86	Clean	RW - 14	0.7	Clean
RW - 15	1.27	Clean	RW - 15	1.62	Clean	RW - 15	2.26	Clean	RW - 15	1.95	Clean
RW - 16	0.65	Clean	RW - 16	0.9	Clean	RW - 16	1.39	Clean	RW - 16	0.97	Clean
RW - 17	0.3	Clean	RW - 17	0.18	Clean	RW - 17	0.91	Clean	RW - 17	0.4	Clean
Recovered Product 1/2 gallon Install tubing in MW 6 & 7			**Recovered Product** 1/2 Gallon			**Recovered Product** 1/4 Gallon Replaced J-plugs on RWs			**Recovered Product** 1/2 Gallon		

"Watson, Keith"
<Keith.Watson@tronox.com>

02/14/2007 08:08 AM

To "Bock, Nick" <Nick.Bock@tronox.com>, "Hurst, Elizabeth" <Elizabeth.Hurst@tronox.com>, "Corbett, Pat" <Pat.Corbett@tronox.com>,
cc "Dave Upthegrove" <dupthegrove@ix.netcom.com>, <raifordjc@arlaw.com>
bcc

Subject Hattiesburg - NSRR Right of way

See attached sent via FedEx to Gayle Jordan of NSRR to re-start discussions on access to NSRR ROW in Hattiesburg.

<<2007-02-14 Letter to Gayle Jordan re access.pdf>>

A. Keith Watson
Tronox LLC
P.O. Box 268859
Oklahoma City, OK 73126-8859
Phone: 405/775-5475
Email: Keith.Watson@tronox.com
Fax: 405/775-6563

Thank you. 2007-02-14 Letter to Gayle Jordan re access.pdf

TRONOX

Name: A. Keith Watson
Title: Project Manager

Phone: (405) 775-5475
Fax: (405) 775-6563
e-mail: Keith.Watson@Tronox.com

February 14, 2007

Ms. Gayle Jordan
Law Department
Norfolk Southern Railroad
3 Commerce Place
Norfolk, VA 23510

Re: Former Gulf States Creosote Site
Hattiesburg, Mississippi
Remediation within NSRR Right-of-Way

Dear Ms. Jordan:

As we have discussed in past meetings, Tronox LLC (formerly Kerr-McGee Chemical LLC) is being required under agreement with the Mississippi Department of Environmental Quality (MDEQ) to implement remedial actions at and near the former Gulf States Creosote site in Hattiesburg, Mississippi. The land, in a Norfolk Southern Railroad (NSRR) right-of-way near Scooba Street and Eastside Avenue in Hattiesburg (map attached), is one of the last locations we need to address to complete the action. On the map, the proposed work will be between the railroad ballast and the previously remediated ditch.

The proposed action addresses NSRR's previous objections, in that we are remediating the entire area to a MDEQ-designated cleanup standard. Also, containment and capping are not a part of the remedy, so the railroad can work and drive in the area without concern. NSRR voiced concerns regarding the constructability, drivability and maintenance of the proposed cap and Tronox proposes to perform the enhanced cleanup to remove soils exceeding the MDEQ-required cleanup goal of 43 mg/kg to eliminate the need for capping and alleviate the concerns of NSRR.

We look forward to working with you to negotiate and enter into a mutually-acceptable access agreement. MDEQ has stated its willingness to assist in negotiations on site access. I will contact you in a week or so to initiate thee discussions. If you have any questions or comments, please call me at (405) 775-5475.

Sincerely,

A. Keith Watson
Project Manager

Attachments

Attachment A
Proposed Cleanup Activities

Remediation of the ditch and adjacent land beneath the NSRR will consist of the following steps:

1. Before beginning work, Tronox and NSRR must first negotiate and enter into a mutually-acceptable access agreement. MDEQ has stated its willingness to assist in negotiations on site access.

2. Make a Mississippi One Call to locate and mark any subsurface utilities in the work area.

3. Coordinate with the City of Hattiesburg with respect to truck traffic planning and work on City easements.

4. With assistance from the City, clean out the culvert beneath Scooba Street to improve flow through the drainage system.

5. Remove affected sediment and soils from the ditch/drainage area on both sides of Scooba Street. Soils in these areas will be removed to a depth of approximately 6 feet, unless visibly clean soils are encountered at shallower depths. Excavation will not extend past a depth of 6 feet unless free product or creosote-saturated soils are present.

6. Backfill both areas with clean soil and compact/shape soils for installation of drainage components. The drainage components will consist of a continuation of the concrete-lined ditch on the upstream side of Scooba Street and rip-rap underlain by filter cloth on the downstream side of Scooba Street.

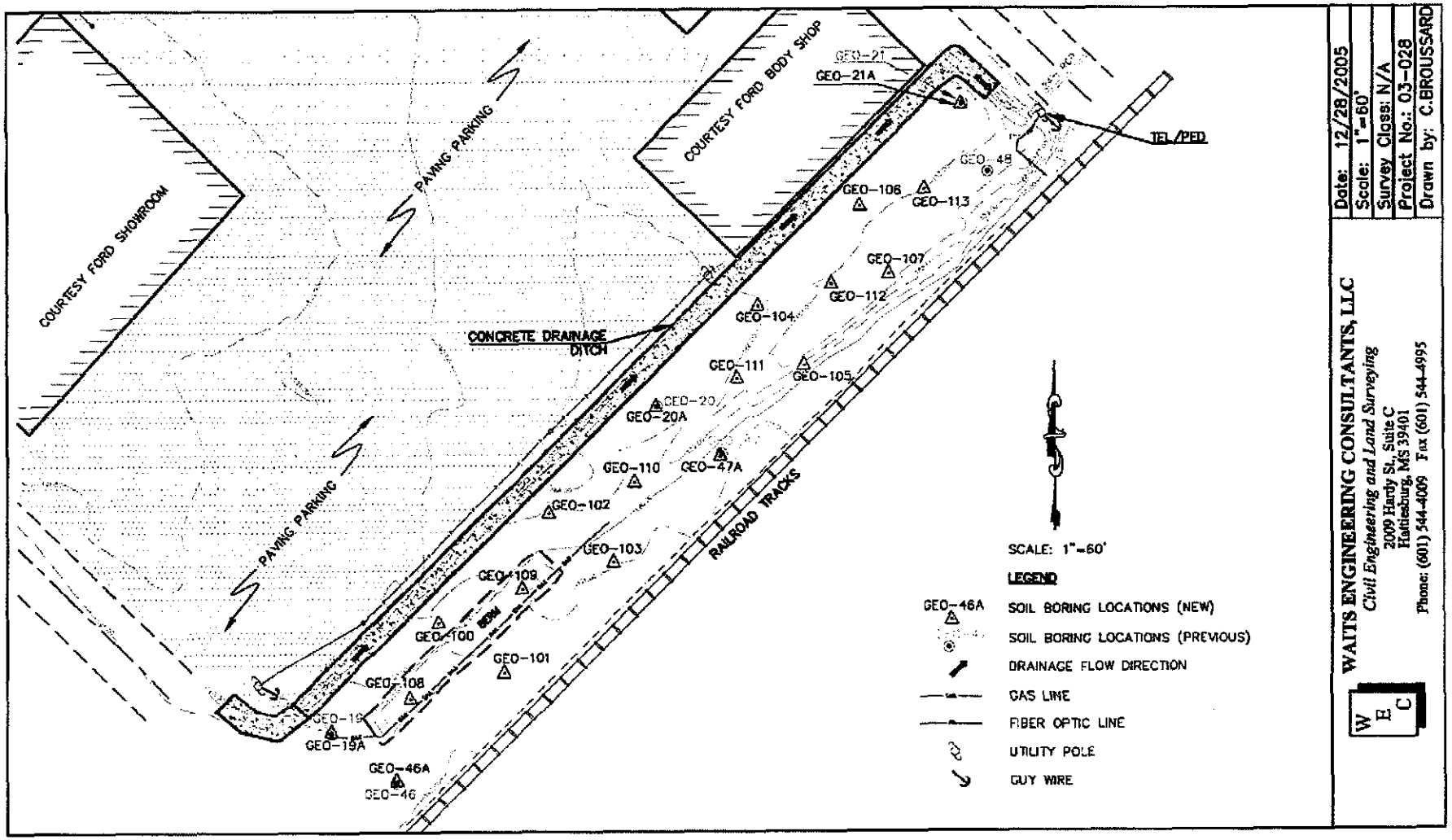
7. Remove soils exceeding 43 mg/kg benzo(a)pyrene target cleanup goal between the concrete-lined ditch an a line approximately 20 feet from the outside track of the NSRR line.

8. Collect soil samples from the base and sidewalls of excavations (the number of samples will be determined in the field with input from MDEQ). Soil samples will be analyzed for PAHs by SW-846 Method 8310.

9. Bring in, place and compact replacement soils to achieve final grades. Replacement soils will be shaped and sloped to drain to the concrete-lined ditch.

10. Seed excavated areas outside of ditch with Bermuda grass.

Tronox looks forward to working with NSRR toward final resolution of the Gulf States Creosoting site. Should you have any questions or require addition information, please contact me.



Site Layout with Soil Borings

Summary of Benzo(a)Pyrene Data
Southern Railroad Track Area

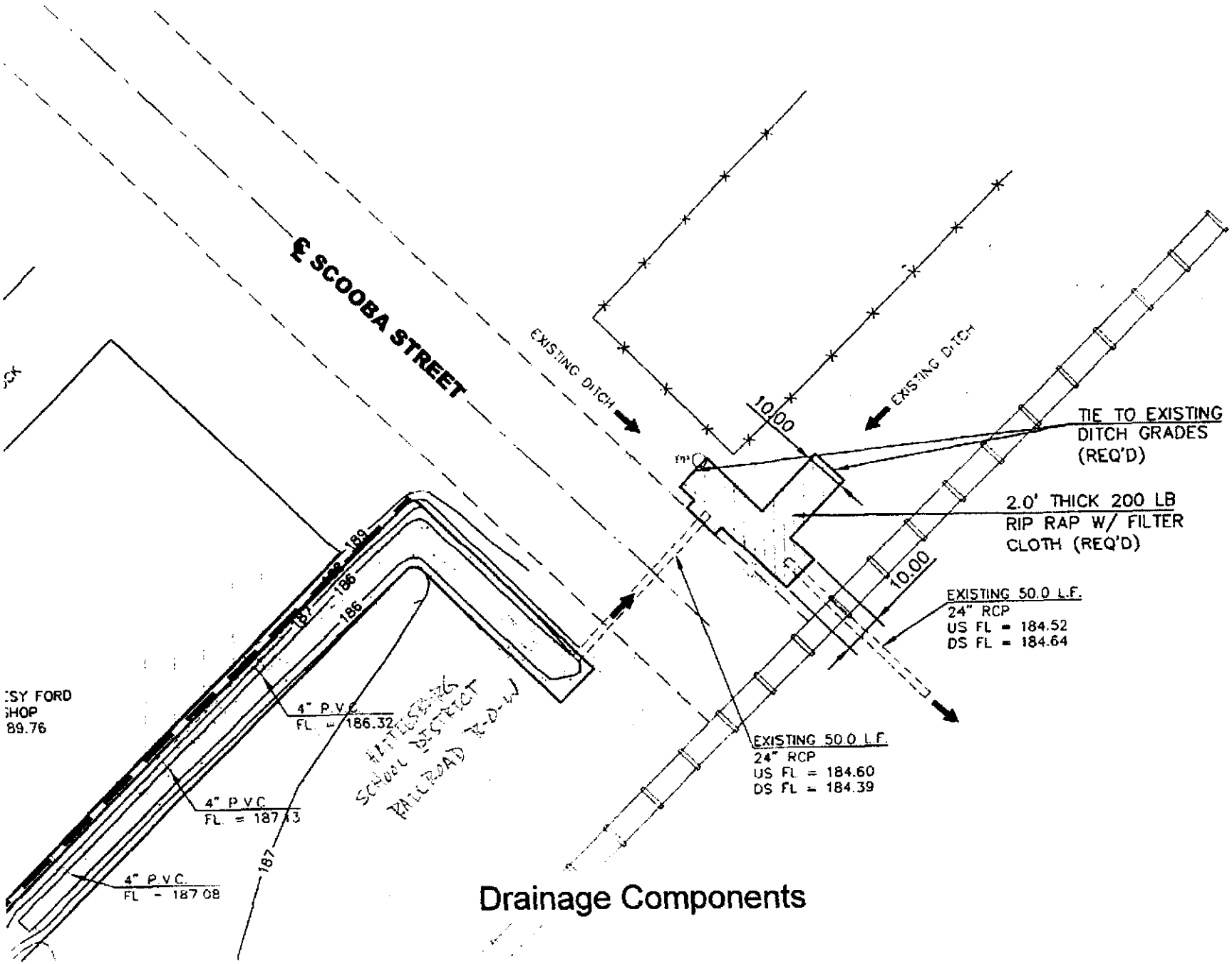
Former Gulf States Creosoting Site
Hattiesburg, Mississippi

Row 1	
Sample ID	B(a)p (mg/kg)
GEO-19A(0-1')	24
GEO-19A(1-2')	0.065 J
GEO-19A(2-3')	0.036 J
GEO-100(0-1')	9.4
GEO-100(1-2')	56
GEO-100(2-3')	35
GEO-100(4-5')	180
GEO-100(5-6')	8.6
GEO-102(1-2')	68
GEO-102(2-3')	36
GEO-102(4-5')	2.2
GEO-102(5-6')	0.26
Fill to 1.5'	
GEO-20A(1.5-2')	36
GEO-20A(2-3')	26
GEO-20A(3-4')	7.4
GEO-20A(5-6')	2.7
Fill to 2'	
GEO-104(2-3')	0.18
GEO-104(4-5')	1.1
Heavily stained to 3'	
GEO-106(3-4')	16
GEO-106(5-6')	0.47
Heavily stained to 5'	
GEO-21A(5-6')	0.37

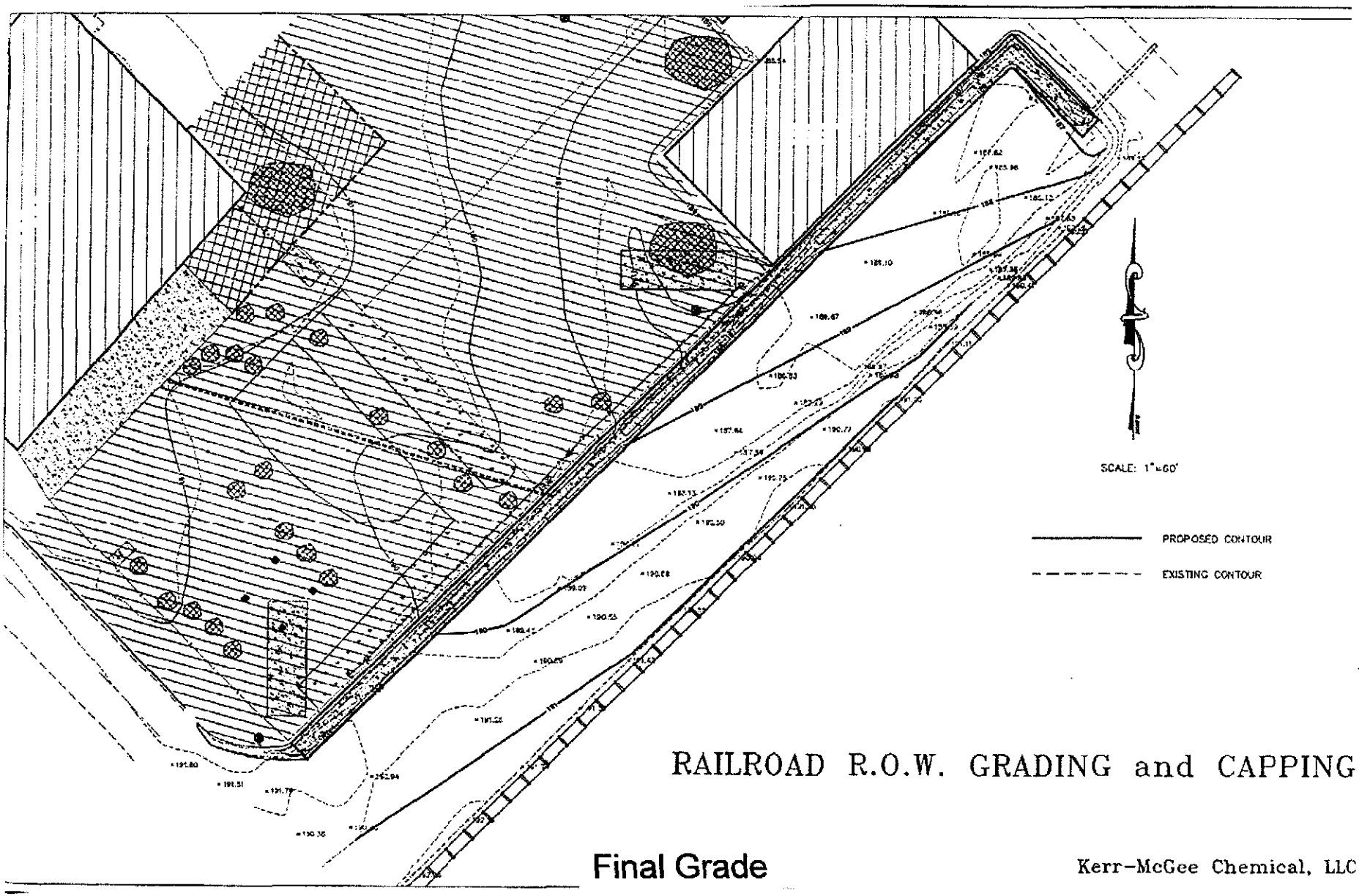
Row 2	
Sample ID	B(a)p (mg/kg)
GEO-108(1-2')	51
GEO-108(3-4')	64
GEO-108(5-6')	32
GEO-109(0-1')	20
GEO-109(1-2')	ND (0.17)
GEO-109(2-3')	2.1
Fill to 2'	
GEO-110(2-3')	3.7
GEO-110(3-4')	ND (0.17)
GEO-111(1-2')	310
GEO-111(2-3')	7.7
GEO-111(4-5')	0.88
Fill to 1'	
GEO-112(1-2')	ND (0.17)
GEO-112(2-3')	ND (0.17)
GEO-113(1-2')	780
GEO-113(3-4')	1.6
GEO-113(5-6')	6.2

Row 3	
Sample ID	B(a)p (mg/kg)
GEO-46A(0-1')	16
GEO-46A(1-2')	2.3
GEO-46A(2-3')	ND (0.17)
GEO-46A(5-6')	ND (0.17)
GEO-101(0-1')	18
GEO-101(1-2')	28
GEO-101(2-3')	ND (0.17)
GEO-101(5-6')	14
GEO-103(0-1')	0.084 J
GEO-103(1-2')	14
GEO-103(2-3')	2
GEO-103(5-6')	ND (0.17)
GEO-47A(0-1')	14
GEO-47A(1-2')	ND (0.17)
GEO-47A(5-6')	3.1
GEO-105(0-1')	21
GEO-105(1-2')	99
GEO-105(2-3')	29
GEO-105(5-6')	7
GEO-107(0-1')	200
GEO-107(1-2')	100
GEO-107(2-3')	0.75
GEO-107(5-6')	0.79
GEO-48A(0-1')	400
GEO-48A(1-2')	190
GEO-48A(2-3')	48
GEO-48A(4-5')	ND (0.17)

Note: Boxed value exceeds MDEQ proposed remediation goal of 43 mg/kg.



Drainage Components



RAILROAD R.O.W. GRADING and CAPPING

Final Grade

Kerr-McGee Chemical, LLC