

SITE: Red Panther
BREAK: 2.8
OTHER: v. 10



Weston Solutions, Inc.
5430 Metric Place, Suite 100
Norcross, GA 30092
(770) 325-7900

December 27, 2005

Mr. Steve Spurlin
On-Scene Coordinator, Jackson, Tennessee Outpost
U.S. Environmental Protection Agency, Region 4
Ed Jones Federal Building
109 South Highland Avenue B13
Jackson, TN 38301

Subject: **Final Removal Action Letter Report, Revision 1**
Red Panther
Clarksdale, Coahoma County, Mississippi
EPA ID No. MSD000272385
EPA Contract No. 68-W-00-123
Technical Direction Document (TDD) No. 4W-02-07-B-007
Document Control No. WSI-RPS-0017

Dear Mr. Spurlin:

Weston Solutions, Inc., Superfund Technical Assessment and Response Team - 2 (START-2) is submitting one copy of the Final Removal Action Letter Report for the Red Panther site located in Clarksdale, Coahoma County, Mississippi.

Please contact me at (770) 325-7968, or Greg Harper at (770) 325-7972, if you have any questions or comments regarding this letter report.

Sincerely,
Weston Solutions, Inc.

Timothy J. Maher
START-2 Project Manager

Enclosure

cc: Karen Knight, EPA Project Officer
Debbie Hoover, EPA Contracting Officer
Joseph Baer, START-2 Program Manager (w/o enclosure)
Greg Harper, START Removal Coordinator (w/o enclosure)
START-2 File



10502246

**FINAL REMOVAL ACTION
LETTER REPORT**

**RED PANTHER
1201 NORMANDY AVE
CLARKSDALE, COAHOMA COUNTY, MISSISSIPPI
EPA ID No. MSD000272385**

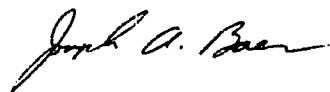
Revision 1

Prepared for

**U.S. ENVIRONMENTAL PROTECTION AGENCY
Region 4
Atlanta, Georgia 30303**

Contract No.	:	68-W-00-123
TDD No.	:	4W-02-07-B-007
DCN	:	WSI-RPS-0017
Work Order No.	:	12587.001.002.0155.00
Date Prepared	:	December 27, 2005
EPA Work Assignment Manager	:	Steve Spurlin
Telephone No.	:	731-422-0101
Prepared by	:	Weston Solutions, Inc. - START-2
START Project Manager	:	Timothy J. Maher
Telephone No.	:	770-325-7968

Approved:



Joseph A. Baer
START -2 Program Manager

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.

K:\START\TDDS-20030211-BCXSSSP3.wpd

CONTENTS

<u>Section</u>	<u>Page</u>
1.0 INTRODUCTION	1
2.0 SITE BACKGROUND	1
2.1 SITE HISTORY	1
2.2 PREVIOUS INVESTIGATIONS	2
3.0 SITE ACTIVITIES	3
3.1 PHASE I ACTIVITIES.....	3
3.2 PHASE II ACTIVITIES	5
4.0 ANALYTICAL SUMMARY	7
5.0 CONCLUSIONS	8
REFERENCES	10

APPENDICES

APPENDIX A - Tables

APPENDIX B - Logbook Notes

APPENDIX C - Photographic Log

ATTACHMENTS

ATTACHMENT 1 - URS Figures

ATTACHMENT 2 - NewFields Figures

This document was prepared by Weston Solutions, Inc., expressly for EPA. It shall not be disclosed, in whole or in part, without the express written permission of EPA.

K:\START\TDDS-2003\0211-BCXSSSP3.wpd

1.0 INTRODUCTION

This document has been prepared in accordance with Technical Direction Document (TDD) No. 4W-02-07-B-007, which the United States Environmental Protection Agency (EPA) assigned to the Weston Solutions, Inc., (Weston) Superfund Technical Assessment and Response Team - 2 (START-2). The scope of this TDD, monitored by EPA On-Scene Coordinator (OSC) Steve Spurlin, was to provide oversight of the removal and site restoration activities conducted by the Potentially Responsible Parties' (PRPs) contractors.

2.0 SITE BACKGROUND

This section describes previous investigations and source areas at the site.

2.1 SITE HISTORY

The Red Panther Chemical site consists of approximately 6.5 acres and is located at 550 Patton & Leflore Roads, Clarksdale, Coahoma County, Mississippi (see Site Location Map in Attachment 1). The facility is bordered to the north by Graeber Brothers, to the south by Master Mix Concrete, Inc., to the east by Normandy Avenue and the west by East Tallahatchie Street (see Site Diagram in Attachment 1). During its operational period, wastewater from the formulating process was routinely released, resulting in contamination of the property with a wide variety of pesticides and arsenic. The property is currently used by Coahoma, Inc. as a storage facility for seeds, cotton and farm chemicals.

The Red Panther Chemical facility operated as a pesticide formulation plant between 1949 and 1978 producing liquid and dry herbicides, insecticides, and fungicides, including toxaphene, aldrin, arsenic and DDT. Previous owners of the facility include Coahoma Chemical Company, Riverside Chemical Company and MFC Services.

In 1980, the Red Panther facility filed a Resource Conservation and Recovery Act (RCRA) hazardous waste management activity notification and Part A application for the storage of wastewater and used solvents on the site. Wastewater containing pesticide and solvent residues were generated from the cleaning of equipment at the facility. It is not clear whether a storage permit was granted at this time.

In November of 1985, the Mississippi Bureau of Pollution Control (MBPC) granted the facility a RCRA Part B permit to store wastewater and spent solvents at the site. Prior to obtaining the RCRA permit, wastewater and spent solvents were discharged directly to an offsite ditch or into an underground leaching field on the property.

2.2 PREVIOUS INVESTIGATIONS

In 1984, the MBPC conducted an inspection of the site. Environmental samples taken from in and around the site during this inspection were found to contain detectable levels of chlorinated pesticides and arsenic.

In 1999, the EPA tasked their Superfund Technical Assessment and Response Team (START) to conduct surface and subsurface soil sampling of the drainage ditches to the east of the property, the former onsite leaching field and septic tank on the north side of the property, and the rail spur in front of the loading dock that runs along the west side of the property. The results from this sampling event indicated that the site was contaminated with arsenic, organochlorinated pesticides, and their degradation byproducts including, but not limited to, aldrin, chlordane, dieldrin, 4,4'-DDT, endrin, endosulfan II and toxaphene.

In September of 2001, an Administrative Order on Consent (AOC)(Ref. 1) between the Performing PRPs and EPA Region IV was finalized. The AOC identified four constituents of concern (COCs) for surface soil criteria and three COCs for subsurface soil criteria. The surface COCs were identified as; arsenic, toxaphene, dieldrin and total chlorinated pesticides. The surface soil action levels defined in the AOC for these compounds were 23 parts per million (ppm), 39 ppm, 3 ppm, and 100 ppm respectively. The subsurface COCs were identified as, arsenic, toxaphene, and dieldrin. The subsurface soil action levels

defined in the AOC for these compounds were 270 ppm, 220 ppm, and 15 ppm respectively.

The PRPs retained NewFields and URS Corporation (URS) to perform a soil characterization at the site (Refs. 2; 3), develop a Sampling Analysis Plan (SAP)(Ref. 4), a Quality Assurance Project Plan (QAPP)(Ref. 5), a Site Safety and Health Plan (SSHP)(Ref. 6), and a Phase II Removal Action Final Design Work Plan (Ref. 7). Phase I of the work plan addressed the removal of contaminated soil from the drainage ditches on the perimeter of the property, soil characterization of areas to be addressed during Phase II activities, removal of the above ground storage tanks, and the removal of sections of the loading dock at the facility. Phase II of the work plan addressed the installation of a security fence around the perimeter of the property, the removal of a building above a breeze-way, which was found to have contaminated soil, removal of the concrete pads and loading ramp in Area B, and the contaminated soil from Areas B, C, and D (see Figure 1 in Attachment 2).

3.0 SITE ACTIVITIES

The following sections detail the activities conducted at the site during the Phase I and Phase II removal activities.

3.1 PHASE I ACTIVITIES

On November 12, 2002, START-2 mobilized to perform oversight of contractor and subcontractor activities at the Red Panther site. URS, in Atlanta, Georgia, was the primary contractor for the PRPs. URS retained HEPACO Incorporated, in Memphis, Tennessee, to carry out the planned site work.

Contaminated soils in the drainage ditches 1, 2, 3, and 4 in Area A (see Figure 1 in Attachment 2), to the east side of the site, were removed. The soils from these ditches were analyzed for volatile organic compounds (VOCs), Toxicity Characteristic Leachate Procedure (TCLP) semi-volatile organic compounds, TCLP metals, and TCLP pesticides for waste profiling. The surface-to-one foot level of the soil excavated from

ditch 1, the top two feet of ditches 2 and 3, and the soil from ditch 4 was profiled as nonhazardous waste. These soils were loaded directly into trucks for disposal in the Waste Management, Subtitle D Landfill, located in Robinson, Mississippi. The soils from the one-to-two foot level from ditch 1 were profiled as hazardous waste and were stockpiled inside the concrete berm in Area B to be removed during Phase II activities. During these activities, approximately 825 tons of soil were removed from the site. Due to high levels of arsenic found in drainage ditches 5 and 6, URS recommended that a chain link security fence be installed around the ditches to prevent public access, and the soil removal be addressed in the Phase II work plan.

During this removal activity, URS retained W.L. Burle Engineers, Inc., in Greenville, Mississippi, to conduct soil characterization sampling in Areas B, C, and D. Area B was segregated into 20 grids. A five-point composite surface sample was collected from each grid. Single point aliquots from each composite sample were collected in the event that the analysis from the composite sample indicated that further analysis was required. Two direct push technology (DPT) boring samples were taken in each grid. Each of these soil borings was sampled at the zero-to-two foot, two-to-six foot and six-to-ten foot intervals below ground surface (bgs). These levels were used in determining the vertical extent of the contamination. The grid layout and sample locations are presented in Attachment 1 as "Area B Sampling Locations."

There were five sets of DPT borings taken in Area C. Each of these soil borings was sampled at the zero-to-two foot, two-to-six foot and six-to-ten foot intervals, bgs. These levels were used in determining the vertical extent of the contamination. The sample locations are presented in Attachment 1 as "Area C DPT Locations."

Area D was segregated into 11 grids. A five-point composite surface sample was collected from each grid. Single point aliquots from each composite sample were collected in the event that the analysis from the composite sample indicated that further analysis was required. Two direct push technology (DPT) boring samples were taken in each grid. Each of these soil borings was sampled at the zero-to-two foot, two-to-six foot, and six-to-ten foot intervals, bgs. These levels were used in determining the vertical extent of the contamination. The grid layout and sample locations are presented in Attachment 1 as "Area D Sampling

Locations.”

On February 9, 2004, START-2, URS and HEPACO mobilized to the Red Panther site to continue soil characterization sampling, to sample the contents of eight above ground storage tanks (ASTs) located on the west side of Area B, and sample the contents of one AST in Area D. HEPACO gained access to seven of the eight ASTs in Area B and the AST in Area D to sample the contents for waste profiling and determine product levels remaining in the tanks.

3.2 PHASE II ACTIVITIES

On October 4, 2004, START-2, URS and HEPACO mobilized to the Red Panther site to begin the initial removal action associated with the Phase II activities. Removal of the rail spur and parts of the loading dock in Area C, and the decontamination and removal of the ASTs was performed.

During these activities, approximately 700 feet of iron rail were removed from the rail spur in Area C and stockpiled for later disposal. There was 117 tons of concrete removed from the loading dock and shipped to the Waste Management, Subtitle D Landfill, located in Tunica, Mississippi, as construction debris. Some of the concrete from the north end of the loading dock appeared to be contaminated with pesticides. This concrete was segregated to be sampled for waste profiling. The stockpiled soil was profiled as hazardous pesticide waste. There was 59.84 tons of soil shipped to the Waste Management Landfill in Sulphur, Louisiana, for bioremediation treatment.

The ASTs were checked with a lower explosive limit (LEL) meter to determine if there was an explosive atmosphere inside the tanks. When it was determined that the atmosphere inside the tanks was not explosive, HEPACO personnel utilized a plasma cutting torch to cut the ends off the tanks to allow for easier removal of the residual material in the tanks. Once the residual material was removed and placed into a roll-off box, the tanks were vacuumed and triple-rinsed for decontamination. The vacuumed material and rinsate water were stored in a vac-tank until this material could be profiled for proper disposal. The tanks were then cut

into more manageable pieces to be shipped to Martin Brothers Scrap Metal in Clarksdale, Mississippi. A total of 32.64 tons of scrap metal was shipped to Martin Brothers.

There were three roll-off boxes, one vacuum tank and six drums of material generated during these activities. There was 48.43 tons of material in the three roll-off boxes shipped to the Waste Management Landfill in Emelle, Alabama for soil stabilization. A total of 5.39 tons of material in the vacuum tank and the six drums were shipped to the Waste Management Landfill in Emelle, Alabama for incineration.

On April 12, 2005, START-2 mobilized to perform oversight of contractor and subcontractor activities at the Red Panther site. URS, in Atlanta, Georgia, was the primary contractor for the PRPs. URS retained Compass Environmental, Inc. (Compass), in Chicago, Illinois, to carry out the planned site work.

Compass contracted Wright Steel Company, in Clarksdale, Mississippi, to remove the existing fence adjacent to the loading dock in Area C, install a security fence around the perimeter of the property to include closing East Tallahatchie Street, install gutters on the existing buildings on the property to control the effects of rain water on the site, and demolish the metal building above the breeze way between Area C and Area D.

Compass retained Evans Engineering, in Clarksdale, Mississippi, to survey the site prior to any excavations, to layout the sample grids in each Area, survey the sample locations in each grid (see Figure 2 in Attachment 2), survey the area elevations after excavations were complete, and perform compaction testing on backfill operations. Evans Engineering also surveyed the site at the completion of the restoration activities to provide as-built elevations for the PRPs.

On April 15, 2005, Compass began the demolition of the concrete pads in Area B, and the concrete ramps in Areas B and D. The majority of this material was profiled as nonhazardous waste and was shipped to the Waste Management, Subtitle D Landfill, located in Tunica, Mississippi, as construction debris. There was a total of 1,187.82 tons of nonhazardous concrete removed from the site during the Phase II removal activities. An additional 32.15 tons of hazardous concrete was shipped to the Waste Management Landfill

in Emelle, Alabama. This hazardous concrete was a combination of concrete from the loading dock, segregated during previous site activities, and concrete from the pads in Area B.

On April 28, 2005, Compass began excavations in Areas C and D to remove nonhazardous soils to be shipped to the Waste Management, Subtitle D Landfill, located in Tunica, Mississippi. Excavation of Area B began on May 3, 2005. High pesticide levels in soils from Area C required these materials to be shipped to the Waste Management Landfill, in Port Arthur, Texas, for bioremediation. High arsenic and pesticide levels in soils from Area B required these materials be shipped to the Waste Management Landfill, in Emelle, Alabama, for incineration for the pesticides followed by soil stabilization for the arsenic. Ditch 5 and ditch 6 were incorporated into Area B due to the high levels of arsenic contamination present. The material from this area was also shipped to the Waste Management Landfill, in Emelle, Alabama, for soil stabilization. A total of 15,035.38 tons of nonhazardous soil, 5,574.27 tons of hazardous arsenic soil, 1,133.76 tons of hazardous pesticide soil, and 777.64 tons of hazardous pesticide and arsenic soil were removed from the site during these Phase II activities (Ref. 8).

On June 29, 2005, Compass completed excavation of the site. The EPA, On Scene Coordinator, Steve Spurlin indicated that START-2 would not need to remain to perform oversight of the contractors' activities during backfill operations. On July 5, 2005, START-2 demobilized from the site. Copies of the logbook notes are presented as Appendix B, and a photographic log of the site activities is presented as Appendix C.

4.0 ANALYTICAL SUMMARY

Due to the number of samples needing to be analyzed during the Phase II activities, URS retained Environmental Chemistry Consulting Services, Incorporated, in Madison, Wisconsin, to set up a mobile lab at the site. This facilitated a 24-hour turnaround time for results of the grid sample analyses. Each sixty-foot by sixty-foot grid would have a four-point composite confirmation sample taken (see Figure 3 in Attachment 2). A sample of the four individual aliquots for each grid was stored. If the grid sample exceeded the performance standards set forth in the AOC, the individual aliquots were analyzed to determine which parts

of the grid failed the performance standard. Once the analysis was complete, URS and NewFields could determine which parts of the grid needed to be excavated further in order to meet the performance standards.

Duplicate samples were analyzed for every one-in-ten grid samples taken for quality control purposes. In addition to the duplicate samples analyzed on-site, split samples of every one-in-ten grid samples was sent to an off-site independent lab for analysis. If the off-site analysis varied by more than 35%, the higher of the two values would be used in the data review. The highest levels encountered were 1,700 ppm of arsenic, in Area B, 22,000 ppm of toxaphene in Area C, and 7,000 ppm of dieldrin, also in Area C.

NewFields tracked the analytical data using "Domain Averaging" to determine if the data provided met the performance criteria. Using this system of data analysis, the values from all the grids in an Area were added together and then "averaged" over the "domain" of that area. This allowed some of the grids to exceed the performance standards while the majority of the grids were well below the performance standards. Hot spot criteria were developed to determine how far over the performance standards a grid was allowed to be without adversely affecting the rest of the domain. NewFields developed a confirmation sampling decision tree to standardize the decision procedure (see Figure 4 in Attachment 2). A summary of the grid performance (pass/fail), excavation depths, and the actions taken, is presented as Tables 1 through 4 in Appendix A

5.0 CONCLUSIONS

There are two types of arsenic compounds, organic and inorganic. Organic arsenic compounds were typically used as wood preservatives. Inorganic arsenic compounds were used in insecticides and are the types of compounds found to contaminate the Red Panther Chemical site. While some of these arsenic compounds are soluble in water, the removal of contaminated soil at this site should prevent any direct human contact with this contaminant, and significantly reduce the possibility of it migrating to the surrounding environment.

Toxaphene is an insecticide that used widely in the southern United States until 1982, when it was banned from most types of use. All use of this insecticide was banned in 1990. It can be found as a gas or a solid. The solid form was found to contaminate the soil at Red Panther. While it is not readily soluble in water, if exposed to the air, it will evaporate. The removal of the contaminated soil to more than two feet bgs, and the subsequent backfilling with clean soil, should prevent any direct human contact with this contaminant, and significantly reduce the possibility of it migrating to the surrounding environment.

Used extensively as an insecticide from the 1950's to the 1970's, dieldrin was banned from use except for termite control. All forms of its use were banned in 1974. Dieldrin is a breakdown byproduct of aldrin. It does not readily dissolve in water (Ref. 9). Its primary avenue of migration to the environment is evaporation. The removal of the contaminated soil to more than two feet bgs, and the subsequent backfilling with clean soil, should prevent any direct human contact with this contaminant, and significantly reduce the possibility of it migrating to the surrounding environment.

The existing buildings on the site were not considered an environmental threat to the community, and were left in place. A comprehensive summary of the analytical data and the actions taken by the PRP group under the AOC can be found in the Phase II Soil Removal Report currently being reviewed by the EPA (Ref. 10).

The EPA Site Evaluation program plans to conduct a Reassessment at the Red Panther Superfund Site. EPA will utilize the data generated from the 18th Street investigation and the Red Panther Superfund removal action to conduct an analysis of potential long term threat to human health and the environment.

REFERENCES

1. U.S. EPA, Region 4, Administrative Order on Consent for Removal Action, September 2001.
2. URS, Phase I Soil Characterization Report, March 2003.
3. URS, Phase I Removal Action Report, March 2003.
4. NewFields, Sampling Analysis Plan (SAP), March 2005.
5. NewFields, Quality Assurance Project Plan (QAPP), April 2005.
6. URS, Site Safety and Health Plan (SSHP), April 2005.
7. NewFields, Phase II Removal Action Final Design Work Plan, April 2005.
8. URS, Daily Waste Tracking Spreadsheet, Red Panther Phase II Removal, July 2005.
9. Agency for Toxic Substances and Disease Registry, ToxFAQs, accessed online at www.atsdr.cdc.gov, August 23, 2005.
10. NewFields and URS, Phase II Soil Removal Report, October 2005.

APPENDIX A
Tables

Table 1
Grid Action Summary
Area A Ditch Data
Red Panther Chemical
Clarksdale, Coahoma County, Mississippi

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides					
	Surface Soil	23	39	3	100				
	Subsurface Soil	270	220	15	--				
	Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (bgs)	Action	
D1-SC1	4.1	210	20	160	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 4 feet	
D1-SC1(4')	109	1190	131	NA	Subsurface	<i>fail</i>	4 feet	Excavate an additional 2 feet	
D1-SC1(6')	9.5	220	5.2	NA	Subsurface	pass	6 feet	Request for backfill	
D1-SC2	4.9	42	6.2	29	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 4 feet	
D1-SC2(4')	47.3	243	9.8	NA	Subsurface	pass	4 feet	Average of "Domain" passes	
D2-SC1	20	4.5	0.87	< 10	Surface	pass	0 - 1 foot	Average of "Domain" passes	
D2-SC2	27	3.2	0.53	< 10	Surface	pass	0 - 1 foot	Average of "Domain" passes	
D2-SC3	25	19	2.3	12	Surface	pass	0 - 1 foot	Average of "Domain" passes	
D2-SC4	13	12	1.3	< 10	Surface	pass	0 - 1 foot	Average of "Domain" passes	
D3-SC1	150	6.5	1.3	< 10	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
D3-SC1(2')	67	3.9	1.2	NA	Subsurface	pass	2 feet	Request for backfill	
D3-SC2	120	9.7	1.2	< 10	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
D3-SC2(2')	16	4.2	0.6	NA	Subsurface	pass	2 feet	Request for backfill	
D3-SC3	95	3.7	0.42	< 10	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
D3-SC3(2')	28	11	0.96	NA	Subsurface	pass	2 feet	Request for backfill	
D4-SC1	210	4.3	0.38	< 10	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
D4-SC1(2')	19	BDL	0.15	NA	Subsurface	pass	2 feet	Request for backfill	
D4-SC2	140	< 3	0.27	< 10	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
D4-SC2(2')	32	BDL	0.45	NA	Subsurface	pass	2 feet	Request for backfill	
D4-SC3	150	4.5	0.71	< 10	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
D4-SC3(2')	170	BDL	0.59	NA	Subsurface	pass	2 feet	Request for backfill	

- Notes: Grid Number (#) - Grid analysis failed, additional excavation required
Bold - Result exceeds the performance standard
 NA - Analysis not required
 ppm - parts per million
 mg/kg - milligrams per kilogram (equivalent to ppm)
italics - Indicates the data failed to meet the performance criteria
 -- - Not analyzed for subsurface soils
 bgs - Below ground surface
 < - Less than

Table 2
Grid Action Summary
Area B Grid Data
Red Panther Chemical
Clarksdale, Coahoma County, Mississippi

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides					
	Surface Soil	23	39	3	100				
	Subsurface Soil	270	220	15	--				
	Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (hgs)	Action	
B-1	18	3.5	< 0.1	NA	Subsurface	pass	2 feet	Request for backfill	
B-2	330	< 3	< 0.1	NA	Subsurface	fail	3 feet	Below hot spot criteria	
B-3	450	< 3	< 0.1	NA	Subsurface	fail	5 feet	Analyze individual Aliquots	
B-3A	11	< 3	< 0.1	NA	Subsurface	pass	5 feet	Request for backfill	
B-3B	44	< 3	< 0.1	NA	Subsurface	pass	5 feet	Request for backfill	
B-3C	680	< 3	< 0.1	NA	Subsurface	fail	5 feet	Below hot spot criteria	
B-3D	900	< 3	< 0.1	NA	Subsurface	fail	5 feet	Excavate an additional 2 feet	
B-3D(7')	7.1	< 3	< 0.1	NA	Subsurface	pass	7 feet	Request for backfill	
B-4	960	180	2.6	NA	Subsurface	fail	2 feet	Analyze individual aliquots	
B-4 A	270	< 3	0.65	NA	Subsurface	fail	2 feet	Below hot spot criteria	
B-4 B	1300	9.6	< 0.1	NA	Subsurface	fail	2 feet	Excavate an additional 1 foot	
B-4 C	1700	8.2	1.1	NA	Subsurface	fail	2 feet	Excavate an additional 1 foot	
B-4 B & C	32	< 3	< 0.1	NA	Subsurface	pass	3 feet	Request for backfill	
B-5	83	< 3	< 0.1	NA	Subsurface	pass	6 & 10 feet	Request for backfill	
B-6	100	< 3	< 0.1	NA	Subsurface	pass	6 & 10 feet	Request for backfill	
B-7	210	< 3	< 0.1	NA	Subsurface	pass	2 feet	Request for backfill	
B-8	740	110	1.6	NA	Subsurface	fail	2 & 6 feet	Analyze individual aliquots	
B-8 A	1100	15	2.0	NA	Subsurface	fail	2 feet	Excavate an additional 1 foot	
B-8 A	560	< 3	< 0.1	NA	Subsurface	fail	3 feet	Below hot spot criteria	
B-8 B	310	< 3	< 0.1	NA	Subsurface	fail	6 feet	Below hot spot criteria	
B-8 C	180	9.0	0.32	NA	Subsurface	pass	6 feet	Request for backfill	
B-8 D	240	16	0.92	NA	Subsurface	pass	2 feet	Request for backfill	
B-9	69	7.9	0.13	NA	Subsurface	pass	2 feet	Request for backfill	
B-10	48	14	0.14	NA	Subsurface	pass	2 & 10 feet	Request for backfill	
B-11	210	85	5.8	65	Surface	fail	0 - 1 foot	Excavate an additional 2 feet	
B-11	83	< 3	< 0.1	NA	Subsurface	pass	2 feet	Request for backfill	

Table 2 (cont.)
 Grid Action Summary
 Area B Grid Data
 Red Panther Chemical
 Clarksdale, Coahoma County, Mississippi

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides					
	Surface Soil	23	39	3	100				
	Subsurface Soil	270	220	15	--				
	Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (bgs)	Action	
B-12	850	< 3	0.62	NA	Subsurface	<i>fail</i>	2 feet	Analyze individual aliquots	
<i>B-12 A</i>	1000	< 3	0.26	NA	Subsurface	<i>fail</i>	2 feet	Excavate an additional 2 feet	
<i>B-12 B</i>	850	< 3	0.56	NA	Subsurface	<i>fail</i>	2 feet	Excavate an additional 2 feet	
<i>B-12</i>	79	< 3	< 0.1	NA	Subsurface	pass	3 feet	Request for backfill	
B-13 A & D	9.3	< 3	0.12	NA	Subsurface	pass	2 feet	Request for backfill	
B-13 B & C	300	< 3	0.45	NA	Subsurface	<i>fail</i>	2 feet	Below hot spot criteria	
B-14	77	19	1.8	26	Surface	<i>fail</i>	0 - 1 foot	Excavate an additional 2 feet	
<i>B-14</i>	220	< 3	< 0.1	< 10	Surface	<i>fail</i>	1 foot	Excavate an additional 1 foot	
<i>B-14</i>	4	< 3	< 0.1	NA	Subsurface	pass	2 feet	Request for backfill	
B-15	420	7.4	2.6	NA	Subsurface	<i>fail</i>	2 feet	Below hot spot criteria	

- Notes: ***Bold Italics*** - Grid analysis failed, individual aliquots analyzed
- Bold** - Result exceeds the performance standard
- Shaded** - Result exceeds performance standard, below hot spot criteria, will be averaged into "Domain"
- NA - Analysis not required
- ppm - parts per million
- mg/kg - milligrams per kilogram (equivalent to ppm)
- italics* - Indicates the data failed to meet the performance criteria
- - Not analyzed for subsurface soils
- bgs - Below ground surface
- < - Less than

**Table 3
Grid Action Summary
Area C Grid Data
Red Panther Chemical
Clarksdale, Coahoma County, Mississippi**

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides					
	Surface Soil	23	39	3	100				
	Subsurface Soil	270	220	15	--				
	Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (bgs)	Action	
C-1	22	0.27	0.13	NA	Subsurface	pass	6 feet	Request for backfill	
C-2	210	7	0.89	NA	Subsurface	pass	2 feet	Request for backfill	
C-3	110	100	59	NA	Subsurface	fail	2 feet	Analyze individual aliquots	
C-3 A	< 2	< 3	0.29	NA	Subsurface	pass	2 feet	Request for backfill	
C-3 B	< 2	46	13	NA	Subsurface	pass	2 feet	Request for backfill	
C-3 C	13	39	19	NA	Subsurface	pass	2 feet	Below hot spot criteria	
C-3 D	8.1	970	370	NA	Subsurface	fail	2 feet	Excavate an additional 1 foot	
C-3 D	3.0	< 3	0.31	NA	Subsurface	pass	3 feet	Request for backfill	
C-4	110	14000	4100	NA	Subsurface	fail	2 feet	Analyze individual aliquots	
C-4 A	200	1200	530	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-4 B	130	22000	1400	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-4 C	85	970	3900	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-4 D	56	2300	7000	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-4	64	30.0	9.2	NA	Subsurface	pass	4 feet	Request for backfill	
C-5	440	5600	270	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-5 A	180	7000	430	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-5 B	220	2000	120	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-5 C	98	1400	67	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-5 D	860	7500	370	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-5	20	67	3.6	NA	Subsurface	pass	4 feet	Request for backfill	
C-6	42	5100	50	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-6 A	49	5300	60	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-6 B	22	4100	61	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet	
C-6 C	4.4	15	0.99	NA	Subsurface	pass	2 feet	Request for backfill	
C-6 D	92	110	8.6	NA	Subsurface	pass	2 feet	Request for backfill	
C-6	35	97	0.12	NA	Subsurface	pass	4 feet	Request for backfill	

Table 3 (cont.)
 Grid Action Summary
 Area C Grid Data
 Red Panther Chemical
 Clarksdale, Coahoma County, Mississippi

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides				
Surface Soil	23	39	3	100				
Subsurface Soil	270	220	15	--				
Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (bgs)	Action
C-7	8.7	930	16	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet
C-7 A	18	2000	23	NA	Subsurface	fail	2 feet	Excavate an additional 2 feet
C-7 A	2.9	< 3	< 0.1	NA	Subsurface	pass	4 feet	Request for backfill
C-7 B	4.8	280	21	NA	Subsurface	pass	2 feet	Below hot spot criteria
C-7 C	4.6	< 3	0.55	NA	Subsurface	pass	2 feet	Request for backfill
C-8	< 2	180	6.8	NA	Subsurface	pass	2 & 10 feet	Request for backfill

- Notes: ***Bold Italics*** - Grid analysis failed, individual aliquots analyzed
- Bold** - Result exceeds the performance standard
- Shaded** - Result exceeds performance standard. below hot spot criteria, will be averaged into "Domain"
- NA - Analysis not required
- ppm - parts per million
- mg/kg - milligrams per kilogram (equivalent to ppm)
- italics* - Indicates the data failed to meet the performance criteria
- - Not analyzed for subsurface soils
- bgs - Below ground surface
- < - Less than

Table 4
Grid Action Summary
Area D Grid Data
Red Panther Chemical
Clarksdale, Coahoma County, Mississippi

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides					
	Surface Soil	23	39	3	100				
	Subsurface Soil	270	220	15	--				
	Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (bgs)	Action	
D-1	6.1	7.5	0.54	NA	Subsurface	pass	2 feet	Request for backfill	
D-2	58	3400	360	NA	Subsurface	fail	2 feet	Excavate an additional 1 foot	
D-2	23	<3	0.19	NA	Subsurface	pass	3 feet	Request for backfill	
D-3	24	78	11	NA	Subsurface	pass	2 feet	Request for backfill	
D-4	110	1100	41	NA	Subsurface	fail	2 & 5 feet	Excavate an additional 2 feet	
D-4	11	140	4.6	NA	Subsurface	pass	3 & 7 feet	Request for backfill	
D-5	73	1600	110	NA	Subsurface	fail	2 feet	Excavate an additional 5 feet	
D-5	6	380	31	NA	Subsurface	fail	7 feet	Excavate an additional 1 foot	
D-5	<2	110	7.8	NA	Subsurface	pass	8 feet	Request for backfill	
D-6	13	130	12	NA	Subsurface	pass	2 feet	Request for backfill	
D-7	<2	130	20	88	Surface	fail	0 - 1 feet	Analyze individual aliquots	
D-7A	<2	660	90	610	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-7 B	<2	3300	49	360	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-7 C	<2	160	29	140	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-7 D	<2	49	4.9	85	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-7	2.1	<3	<0.1	NA	Subsurface	pass	2 feet	Request for backfill	
D-8	12	1300	60	NA	Subsurface	fail	2 feet	Analyze individual aliquots	
D-8 A	11	2700	250	NA	Subsurface	fail	2 feet	Excavate an additional 1 foot	
D-8 A	2.1	<3	<0.1	NA	Subsurface	pass	3 feet	Request for backfill	
D-8 B	3.7	<3	0.17	NA	Subsurface	pass	2 feet	Request for backfill	
D-8 C	<2	11	1.6	NA	Subsurface	pass	2 feet	Request for backfill	
D-8 D	2.1	5.7	1.0	NA	Subsurface	pass	2 feet	Excavate an additional 2 feet	
D-9	<2	190	47	220	Surface	fail	0 - 1 feet	Analyze individual aliquots	
D-9 A	<2	38	7.2	28	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-9 B	<2	300	140	610	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-9 C	<2	170	61	400	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-9 D	<2	91	31	110	Surface	fail	0 - 1 feet	Excavate an additional 1 foot	
D-9	2.2	3.9	1.8	NA	Subsurface	pass	2 feet	Request for backfill	

Table 4 (cont.)
 Grid Action Summary
 Area D Grid Data
 Red Panther Chemical
 Clarksdale, Coahoma Coutny, Mississippi

Performance Standards	Arsenic (ppm)	Toxaphene (ppm)	Dieldrin (ppm)	Total Chlorinated Pesticides					
	Surface Soil	23	39	3	100				
	Subsurface Soil	270	220	15	--				
	Max Hot Spot Criteria	954	1300	59	--				
Grid Number	Result (mg/kg)				Surface/ Subsurface	Status (pass/fail)	Excavation Depth (bgs)	Action	
D-10	< 2	160	19	140	Surface	<i>fail</i>	0 - 1 feet	Excavate an additional 1 foot	
<i>D-10 A</i>	< 2	510	41	360	Surface	<i>fail</i>	0 - 1 feet	Excavate an additional 1 foot	
<i>D-10 B</i>	< 2	42	9.1	70	Surface	<i>fail</i>	0 - 1 feet	Excavate an additional 1 foot	
<i>D-10 C</i>	< 2	38	14	44	Surface	<i>fail</i>	0 - 1 feet	Excavate an additional 1 foot	
<i>D-10 D</i>	< 2	47	6.6	41	Surface	<i>fail</i>	0 - 1 feet	Excavate an additional 1 foot	
D-10	2.4	< 3	0.1	NA	Subsurface	pass	2 feet	Request for backfill	
D-11	2.4	< 3	0.6	NA	Subsurface	pass	2 feet	Request for backfill	
D-12	2.6	2800	65	NA	Subsurface	<i>fail</i>	2 feet	Analyze individual aliquots	
<i>D-12 A</i>	5.1	< 3	< 3	NA	Subsurface	pass	2 feet	Request for backfill	
<i>D-12 B</i>	3	300	11	NA	Subsurface	pass	2 feet	Below hot spot criteria	
<i>D-12 C</i>	60	2700	220	NA	Subsurface	<i>fail</i>	2 feet	Excavate an additional 1 foot	
<i>D-12 C</i>	2.5	1600	7.3	NA	Subsurface	<i>fail</i>	3 feet	Excavate an additional 1 foot	
<i>D-12 C</i>	< 2	38	1.2	NA	Subsurface	pass	4 feet	Request for backfill	
<i>D-12 D</i>	3.3	4400	58	NA	Subsurface	<i>fail</i>	2 feet	Excavate an additional 1 foot	
<i>D-12 D</i>	52	1600	26	NA	Subsurface	<i>fail</i>	3 feet	Excavate an additional 1 foot	
<i>D-12 D</i>	< 2	1400	6.7	NA	Subsurface	<i>fail</i>	4 feet	Excavate an additional 2 feet	
<i>D-12 D</i>	< 2	180	2.3	NA	Subsurface	pass	6 feet	Request for backfill	
D-13	8.6	82	10	NA	Subsurface	pass	2 feet	Request for backfill	
D-14	7.8	130	26	NA	Subsurface	pass	2 feet	Below hot spot criteria	
D-15	8.2	14	6.5	NA	Subsurface	pass	2 feet	Request for backfill	
D-16	8.4	220	2.9	NA	Subsurface	pass	2 feet	Request for backfill	
D-17	7.4	3.1	0.83	NA	Subsurface	pass	2 feet	Request for backfill	

- Notes: **Bold Italics** - Grid analysis failed, individual aliquots analyzed
Bold - Result exceeds the performance standard
Shaded - Result exceeds performance standard. below hot spot criteria. will be averaged into "Domain"
 NA - Analysis not required
 ppm - parts per million
 mg/kg - milligrams per kilogram (equivalent to ppm)
italics - Indicates the data failed to meet the performance criteria
 -- - Not analyzed for subsurface soils
 bgs - Below ground surface
 < - Less than

APPENDIX B
Logbook Notes

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



ALL-WEATHER
ENVIRONMENTAL FIELD BOOK

Name

Address

Phone

Project

TDA

WO

This book is printed on "Rite in the Rain" All-Weather Writing Paper, a unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specification

Page

See Page

See Page

542-8811
404958325

CONTENTS

PAGE	REFERENCE	DATE
	Katrina JONES	EPA
	Joe Capella	START II contractor
	Burt Cole	URS - Physical Director
	Donald Moore	- HEP CO.
	Rachael Aulken	URS -
	Steve Swinton	URS -

Reference Page Index

147	Error codes: Hazardous classifications, Container types
148	Sampling guidelines (Liquids)
149	Sampling guidelines (Solids)
150	Approximate Volume of Water in Casing or Hole: Ground Water Monitoring Well
151	PVC Pipe casing tables
152	Soil Classification
153	Soil Classification
154	Conversions (Length, Weight, Volume, Temp, etc.)
155	Conversions (Concentrations, Volume/Flow or Time, Velocity, Acceleration)
156	Maximum Concentration of Contaminants for the Toxicity Characteristic

Location _____ Date 11/12/02

Project / Client Red panther Site - / EPA
START II on-site. AK

2:50 JO Arrived on site +
 met with Katherine Jones.
 But told us Project Director
 individual himself.
 The crew began digging in
 ditch @ US 4 - Ditch runs
 Northwest. Soil looks
 removed and dirt loaded.
 Incessant URS subcontractor
 along the excavation.
 Soil exposed and piled in
 excavated area.

1315 Dump truck on site
 Soil will be dually loaded
 & sent to Site part D facility

1400 Loaded out 3 trucks
 1420 Sample from Backfill Borrow
 pit was collected & sent
 to the lab for analysis.
 Hopefully will see Backfill
 by truck by

Location Clarkdale Miss Date _____

Project / Client _____

1500 - Broke gas line in ditch
 - Locates assured contractor that
 no lines were in the ditch - Stop
 work wait for gas company to
 fix line

1510 prior to gasline break
 URS had moved 6 Truck loads
 of Soil -
 The gas line caused extensive
 work since the truck could
 not be loaded & get to the
 landfill on time before closing
 URS discontinued work for the
 day.

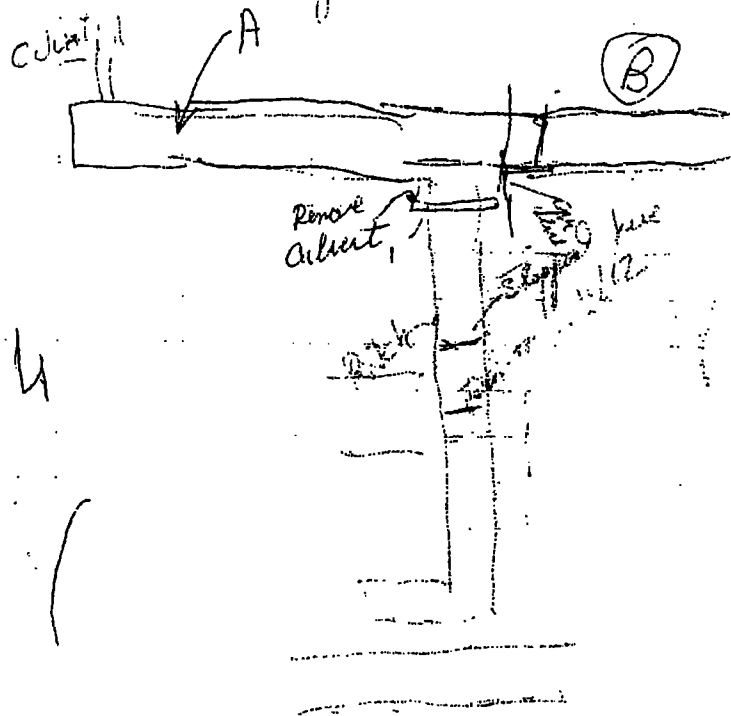
1630 URS Reported site.

JK 11/12/02

4

Location Clarksdale Miss Date 11/13/02Project / Client Deal part of siteUse igniter - 50' x 2' clear high up to 10'to be used -

- 0700 URS on site + held
 toulgate meeting -
 Will not excavate around
 water line for fear it is
 not located properly.
 Excavation will follow:



4

5

Location Clarksdale Miss Date 11/13/02Project / Client Bednady

0800 remove ^{LIPOOR} ~~off~~ one foot
 of Soils in area A Diagram
 page 4 -> Stockpile soils -
 Continue to excavate.

0820 Begin to excavate ditch in
 area B Diagram page 4

0830 but another gas line
 at corner ~~at~~ ditch B.
 locate was enmarked

0900 Waiting for Gas Company
 URS preparing to take composite
 Samples.

0930 - look at area for stockpiling
 Soils - Near Tables in back.
 Gas Company Arrived AUG.

First dump truck on site at 0930
 Second arrived shortly after,
 URS Repairing to load.

6

Location Clarksville - Miss Date _____Project / Client Wednesday 11/13/020915 Begin to load trucks
7 trucks on site.

A _____

0930 MUG - shovel showed up
MUG - shovel up to repair
gas line.1000 URS - HORO continued to
load out trucks from Ditch.

14 2 and stopped at 1115

1115 Begin to excavate gas line for
upons - will replace about
12 to 15' of pipe.1200 URS Break for lunch -
MUG Break for lunch -

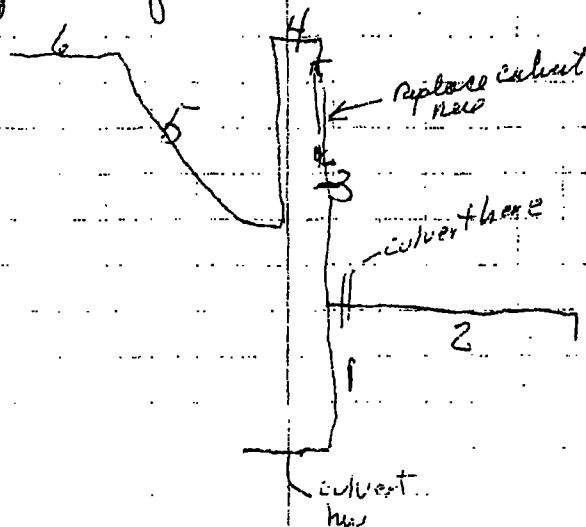
1235 J.O. on site

1300 URS Returned from lunch.
Begin excavate of Segment 9
west side of Normandy1500 Soils stockpiled on pad with
rigging all north end of Building

7

Location Clarksville Miss Date 11/13/02Project / Client Wednesday
J.C.1500 - Truck that is being used
to haul dirt to stockpile is
depositing soil residues on
Stallmaster Street Avenue.
Brought it to the attention
of URS - they were aware +
will clean it up.1510 MUG still digging out
damaged gas line.

Segment Map



Location Clarksdale Miss Date 11/13/02Project / Client J.C. Weathersly
Clay - Coal

1600 Began to decom track ¹⁰⁰ and dump track. The crew of Segment 4 of the ditch had pick P3R and in order not to cross contaminate equipment needs to be decontaminated.

1610 Excavate 1 foot of ditch in Section 1.

1700 Load soil + transport. Section 1 soil - 1 truck.

MVS completed digging at 1600 +
Departed site - will repair pipe tomorrow.

URS is continually taking PIP readings of all Shady 100 Soils and in the ditches during and after operation.

1710 URS will send out 4 samples
Pit 1 - Composts 1, 2, 3, 4

Location Clarksdale Miss Date 11/13/02

Project / Client _____

1730 URS Departs site - J.C. Weathersly

11/13/02

Location Clarksdale Miss Date 11/14/02Project / Client Thursday Red Panther7⁰⁰-48' high today 5' 1" J.C. Street II

0700 URS Subs on site
 0715 toolgate meetings
 0720 Conduite culvert arrived
 0800 Unload concrete pipe
 0900 Begin to remove & replace
 culverts in Ditch Section 4
 URS measuring & staking
 sample points in section 1 & 4
 Hepco mowing tall grass in
 area of Section 5 Ditch so that
 fence contractor can install
 fence along that area.

1015 Culvert placement looks
 high - Suggested that
 Hepco get a transit &
 shoot some elevations
 to get drainage properly.
 A suggestion only? J.C.

1120 Hepco Sub will shoot ~~grade~~
 grade & location of drain

Location Clarksdale Miss Date 11/14/02Project / Client Red Panther - ThursdayJoe Capella STMT. oversite.

1125 - Intersection of Ditch 5 & 4 is
 2.4 feet higher than the drain
 pipe across #4 from ditch 2.
 good grade - each subert. shall
 drop 3/10 of an inch = 7 outerts.
 Survey in culverts at Ditch 4
 on the west side of Mammoth.

1200 URS - Hepco Backha lunch?

1200 J.C. lunch

1230 J.C. Backha site

1300 URS - Hepco Backha site

Began to pour alk culvert
 on Ditch 3.

1400 hit a water line on Ditch 3.

fully - 15' away from the marked
 back indicating water.

Called the public utility to repair
 URS will send out 17 ditch samples
 and will take samples of
 the stacks.

1410 hit another gas line 16' from the
 water line on ditch 3.

Not marked by the gas company

C. L. K. S. M. S. Date 11/14/57

~~Thursday~~ Red Bank Site

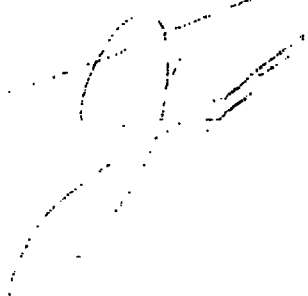
1445 Waiting for gas company to come

1530 Gas main repaired and Hepaco will install cabinet to the point of the gas line rupture.

1600 Hepaco installation complete.

1700 Cabinet installed & backfilled
to street level.

1750 Mr. Bell went home.

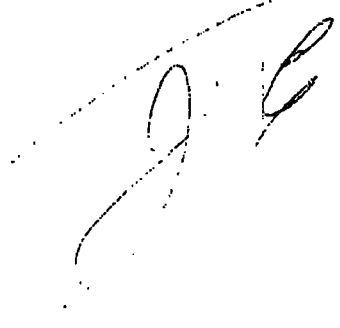


C. L. K. S. M. S. Date 11/15/57

Red Bank Site

700 - UKS on site along with Hepaco & Myself. Raining steadily, will open ditches in section 1 and down Rain water. Section 4 & 5 are not complete and it appears they will not work today because of the rain & water situation. Hepaco ordered 1500 gallon plastic tank to use for holding water from the ditches.

1100 everyone left site for the day.



Location Clarksdale Miss Date 11/19/02

Project / Client Dev. Patton

Tuesday, 51° - high today 62° Jli

11:45 On site - Traveled today

Start work 5 AM.

1. data Hepaco pumped (11/19/02)
water ~~was~~ from the ditches

in Section 5 and put it into
a holding tank. Volume

was to great so they stopped
after filling one 1500 gal

1. plastic tank. Estimate was
20 to 30,000 gal of water in the

ditches.

Monday they resumed work
11/18 on the culvert. It

had rained again on
Sunday night so water
remained a problem in the
ditches.

@ 11 am on Tuesday they struck
another water line in the
center of Patton street,

at the intersection of paths
and. Tomorrow the utility
company repaired this by

Clarksdale Miss Date 11/19/02

Dev. Patton

Monday, 51°

man but not before the ditch
was again filled with water.

12:30 PM - Hepaco was returned
from lunch and continued
to replace the culvert across
patton. The utility company
will run the water line over
the culvert.

1422 Utility dept. on site to repair
water line. Hepaco back filling
culvert across patton.

Surveys site to begin survey of
sample location in ditch. 11/19/02 3:45.
Survey or to W.M. Burt of Clarksdale.
1500 Burt lot indicated that
the analytical from the Bottom
pit showed 42 ppm H₂S gas.

The old is 5. He requested
EPA approval to use the material
He called Katrina Jones and
left a message - She returned
the call at 10:20 and indicated
that it was OK to use.

16

Location Clarksdale Miss Date 11/19/02Project / Client Real estatetrucking

that material as backfill.
 1530 awaiting load of rock to
 complete backfill of culvert
 across railroad.
 Fence post installation is complete.
 1600 Departed Site. JF

JF 11/19/02

17

Location Clarksdale Miss Date 11/21/02Project / Client Wednesday - 70° = 45° Clearhigh today 65° Clear.

- 0700 URS + Hepaco on site
 limestone delivered - will use
 to complete coverage of culverts.
- 0715 Toulgale meeting URS Hepaco
 load out soils for disposal
 that were taken from culvert
 replacement areas.
- 0905 Set small concrete culvert
 in Ditch 2 on Patton Street.
 Surveyors on site to do survey
 of sample locations in ditch. 1-23405
- 0935 Analyticals are back for ditch 2
 only - it fouled Thiopene & Dichlorom
 levels - But need to coverage all
 ditches and there is no data on
 other ditches yet. URS will need
 to stop work if analyticals are
 not back yet.
- 1045 A review of the space preliminary
 analyticals on ditch 1 & 2 indicates
 the Ditch is a high potential
 for the source area to be the
 loading area on the property site
 behind the two office Building.

Location Clarksdale Miss Date 11/20/02

Project Red Panther

Wednesday -

- Composite samples analysis identified as D1-C1 & should be high + D2-C2. should be high all others should fall within the limits set in the Phase I draft plan under PSUP.

Section B of the AOC page 6 and exhibit 1 - are interpreted to mean that averaging is acceptable method by But I O&S New fields.

1130 - Hepaco will break for lunch as analyticals are not yet here in total.

1300 Hepaco replacing 24" concrete culvert, this is the last culvert on Patton Street.

But will sample water for disposal that was taken from the ditches. Katrina indicated to him that sampling of that water was necessary. Hep disposal failure into the sub meter

1310 Everyone here completed their work & will depart site soon.

Location Clarksdale Miss Date 11/20/02

Project Red Panther

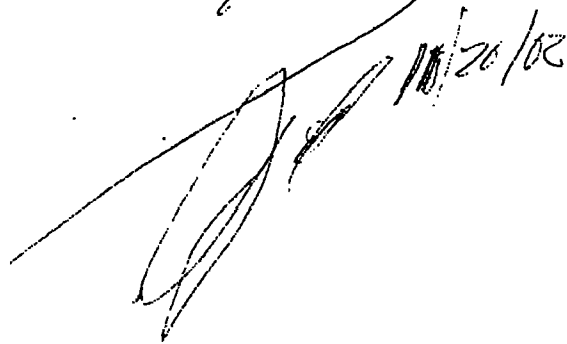
Wednesday - Clear 6.2° Sunny. Jc.

1430 - URS concluded that they would bring a back tank on site - Pump the ditches & prepare them for backfill. they would then put the orange fence in the bottom of the ditch and backfill. If they had to go deeper they would take the backfill off to the level of the fencing. but below that they could excavate.

1000 Fed et picked up water sample - Hepaco is finished with last culvert -

1630 Hepaco left site

1645 URS-Jc left site



20

Location Clarksdale Miss Date 11/21/02
 Project / Client Red Panther T° = 43°
 Clear → Cool high today 63°

- Thursday -

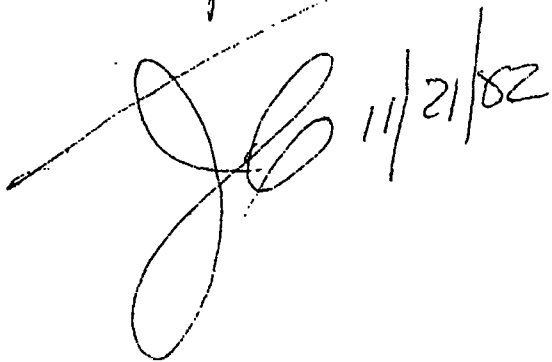
- 10700 UPSD + Hepaco on site
 0700 toulgall meeting
 0730 3 trucks loaded out with
 stockpile from ditch H 4.
 0800 Scrape area in septic drain
 field area to define
 limits of smudge pad found.
 0830 uncovered an area of
 yellow/green solid, and an
 area of purple - Purple may
 be dry manure - yellow/green
 is unknown - will dig
 it up and put it in a drum.
 0930 Last truck load of stockpile
 soil was loaded out.
 UPSD + Hepaco will wet down
 dust on road with analyzed
 clean water from the ditches
 3+4.
 1100 Hepaco delivered frac tank
 on site for ditch water from
 1+2.

Location Clarksdale Miss Date 11/21/02 21
 Project / Client Red Panther Thursday

- 1115: Hepaco + UPSD begin excavation
 of one more foot from ditch 1+2.
 Hepaco transfer water from Neau 44
 ditch 2 to locator of ditch 2
 close to manure. They will
 then transfer water from there
 directly to frac tank.
 1130 Day soils in ditch 2 - T20 wet
 to mole will bring in clean soil
 and blend prior to disposal.
 1200 UPSD Hepaco to lunch Dave
 mole stayed to watch pumps -
 I stayed to observe
 1250 UPSD Hepaco return from lunch
 1400 Clean fill arrived to mix
 with ditch soils for disposal.
 Hepaco wetting down Road
 surface as dust control measure.
 all water pumped out of Ditch 2
 01+2 sealins.
 1430 Hepaco now using water to
 wash dirt off of streets - good
 dust control measure.

Location Charkeedale Miss Date 11/21/02Project / Client Red Panther Thursday1500 One truck of hay soils
moved off site.1510 Fence lvs almost complete
discussion on placing gate
at Normandy end of fence
there is a gate on the Grabe
side that will allow access.1530 Second truck loaded
pumping water into Fire tank
from Normandy end of Ditch

1600 I.e. Departed Site


 11/21/02
Location Charkeedale Miss Date _____Project / Client Red Panther 12/3/02Tuesday - T° = 41° - Overcast Cold

1045. Arrived on site and
discussed URS activities
with Steve Suster. URS
was on site Monday and
advanced several DPT
borings to determine Depth to water.
No pipe placed in hole and
stick hole ~~borings~~ from 5' to 9' BLS
WL BORIE to the subcontractor
handling the DPT work.
two (2) borings had already
been advanced today outside
the fence in the Grabe property.
Lithology is silty sand to
3' grading to silty clay to clay
at 10' sample was taken for
2' intervals and will be sent
to the lab for analysis.

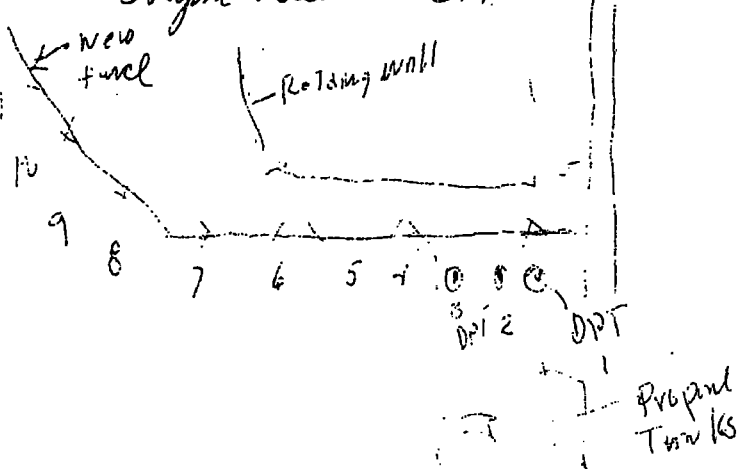
A review of the work completed
on the ditches indicates that
the ditches 1-2-3-4-5 were
backfilled and graded.

Location Clarksdale Miss Date 12/3/02Project / Client Red PantherTuesday

A red expanded plastic fencing was laid in ditches 1 + 2 prior to backfilling to delineate the excavation depth. Backfill was placed on top of that fence so that should further excavation be needed the plastic fencing would define the level at which excavation needed to begin.

1200 URS + BUREAU crews meet for lunch.

1300 URS + BUREAU crews returned + began to advance DPT # 3 -

Location Clarksdale Miss Date 12/3/02Project / Client Red PantherTuesday - JF

1530 - Continue to advance DPTs.

- Collect samples

Bent + Wallace probe area inside retention wall to define extent of concrete cover. May have found Septic Tank. URS Decided to get a Backhoe loader to assist in taking samples. Stone + gravel area be hard to dig in; DPT will not go through that St + P.

BC Cuds are to be laid out for sampling. BUREAU engineering has provided a grid survey map of this area to be sampled. (Septic area)

1600 - DPT sampling continues

@ dpt 7 + 8 a layer of soils white in color appear at 2' depth and is about 1" thick.

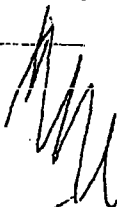
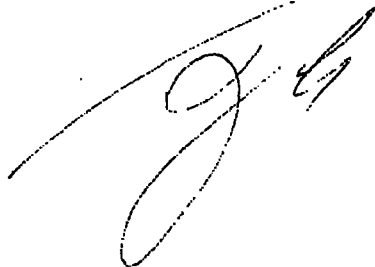
URS Believes this is the area where high Arsenic was detected earlier in characterization. The groundwater in this area appears to be @ 5' BGS or less.

MOST LIKELY A punch AREA

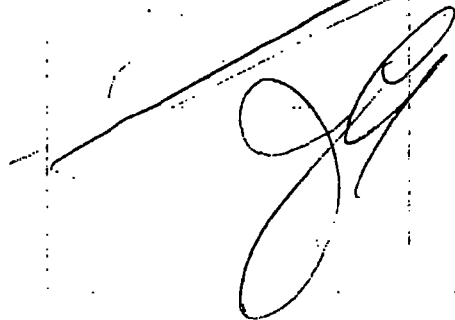
26

Location Clarksdale, Miss Date 12/3/02Project / Client Red Panther SiteTuesday 12/31700 - URS to stop drilling +
cleanup equipment

1730 URS + BRULE depart site



27

Location Clarksdale, Miss Date 12/4/02Project / Client Red Panther SiteWednesday: Raining + Cold0730 - J.C. on site not pipes for
URS or BRULE on site.0906 - No one has shown up due
to rain + cold weather. will
leave site soon.

Location Clarksdale Date 12/05/02
 Project / Client Red Panther - wind drill 22'
Thursday - 7° - 31° - Circuit. JG.

- 0730 - On site - No one is here?
 0745 - BURLIE engineering personnel showed up on site to set up equipment.
 0815 URS was here apparently they were in the office building preparing their equipment.
 0900 I observed the DPT operation on ~~mon~~ Tuesday 11-3 road the borings advanced ~~in~~ on the Graber site wells 1 through 6 or so seemed to hit water at 5', the borings were advanced through 10' and were very wet. In some cases water was forced out of the DPT tubes taken from 6' depths. This may well cause cross contamination of samples as the DPT are usually taken in 4' increments & it takes 36 complete a 10' hole. I feel the sample taken below 5' are suspect. JG.

Location Clarksdale Miss Date 12/05/02
 Project / Client Red Panther
Thursday - J Capella Weston SMT II

The waters are most likely a PERCHED area source. However, they will contain the contaminants.

- 0930 - Dumps containing yellow substance shoveled from concrete in the septa tanks area have not been labeled. Brought this to URS attention @ 0845. as well as prior to dispatch on 11-28-02 JG.

1100 Standard Complaint of Sewer Stoppage - said we crushed sewer pipe URS called Hepaco to correct any problems. Continue to ADVANCE DPT - Borings TO collect samples -

1135 BURLIE Drantomated Equipment & prepare to go to lunch.

1200 Break for lunch URS - BURLIE
 1300 Return from lunch URS - BURLIE

30

Location Clarksdale Miss Date 12/15/02Project / Client Red PantherThursday JL High today 39°

1315 Hepner on site to Report
 Sewer line damaged during
 ditch cleanout. Ditch #3.
 #1400 line located + repairs begin.

1500 DPTs continue - the presence
 of water at 5-7' is definitely
 causing the last DPT to
 be cross contaminated.

Took photo of slices, -
 *No labels on drums yet?

1640 - Stopped drilling + prepare
 to clean up.

1700 Depart Site.

JL 12/16/02

31

Location Clarksdale Date 12/16/02Project / Client Red PantherFriday - 7° = 22° - high today 39°

0830 Arrived site. They are
 just beginning to take DPT samples.
 URS + Burt on site.
 Still too much water in Ditch to
 take samples.

1100 - DPT Sampling continues. Soils
 at 3-4' feet have strong destructive
 odor - petaside like odor.

1145 Crew Back for lunch - No so
 They are going to work through lunch
 and depart early.

Rear equipment - pick up clean
 pad. Bag waste + clean clean water.

1330 - prepare sample take dry wash
 for shipment via Fed Ex.

1430 Departed Site.

JL 12/16/02

32

Location El Estadero Mesa Date 12/9/02Project / Client Red Panther SiteMonday Clear Cold -34° - JG

- 0730 - On site no one is expected until 10AM or so
- 1015 Bient from URS arrived and reviewed sample grid layout.
- 1120 URS began layout of surface sample grid in B area.
- 1145 BLUEB new- come one site + prepared equipment to advance DPT's.
- 1206 Lunch
- 1306 Balance of URS Team arrived and begin preparation for sampling DPT's.
- 1320 BLUEB + URS Began sampling via DPT in area B. Patch 5
- 1500 DPT Sampling continues

33

Location El Estadero Mesa Date 12/9/02Project / Client Red Panther SiteMonday -

1000 - URS personnel layout grid and sampling points for area D.

1700 - Depart site

JG 12/9/02

Location Clarksdale Miss Date 12/10/07
 Project / Client Red Panther
38⁰ Tuesday JP

0730 URS & BRUE on site &
 begin equipment set up.

0930 Capital Concrete Cutting
 on site to bore holes in
 concrete -
 First hole in area. ¹⁰ Dia
 what appears to be siphon tank
 or sump drain.

Drill through lid shows
 sump is full of river rock.
 Photo taken.

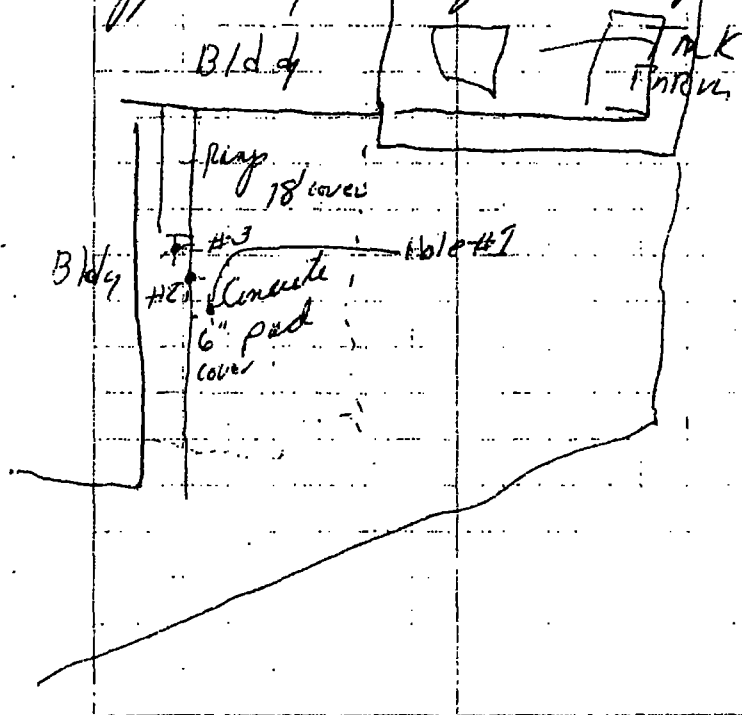
1000 Move to area B to drill
 holes in concrete.

1100 Core Drill began at BG
 as drilling started the cutting
 water was yellow. It appears
 that the chemicals permeated
 the upper 1 inch or so of concrete
 and the staining material solubilized
 in the drill cutting water coolant.
 Concrete was 8" thick.

Location Clarksdale Miss Date 12/10/07
 Project / Client Red Panther
Tuesday

1130 - began digging holes at
 points on surface. Sump
 was grid marked.

It appears that there is a concrete
 pad anywhere from 6" to 18" below
 the stone cover. This pad
 appears to extend 2 ft the diagonal.



36

Location Clarksdale Miss Date 12/10/02Project / Client Red PantherTue Tuesday

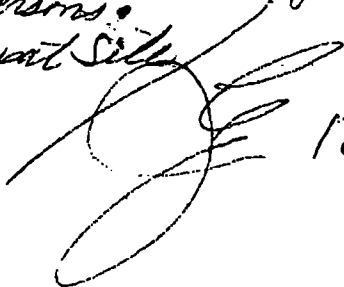
1200 lunch Break

1300 Continue Core Drilling + Backhoe excavation of potential sample location in area D.

1400 HEPACO is digging hole at grid areas for surface Soil Sampling.

1600 HEPACO unearthed a bonnet pit in DG 8 - Charcoal metal rings from fiber drums metal drums - scuffed tires bricks, wood + general debris soils appear rust stained indicating that this could well be a buried area for a bonnet building that has been excluded to by local persons.

1730 Depart Site


 12/10/02

37

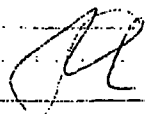
Location Clarksdale Miss Date 12/11/02Project / Client Red Panther T° = 42° One cantWednesday - D

6730 - UPS + BURLE on site - Hepaco as well.

6900 - Begin DPI Sampling in DG Area.

Hepaco has a few more surface holes to dig. They are awaiting arrival of tanks to remove water from 2500 tank sitting in area B6. Water is contaminated and will be moved by Gcell of Memphis.

6915 - Core Driller drilled concrete in B6 area for surface + DPI samples - 300 feet produced the yellow cutting indicative of concrete contaminated with some type of pesticide. The water lay in depression areas near the drilling point. This obvious contamination will be left on the surface to dry. I recommended that no one drive on the area -



Location Clarkdale Mine Date 12/10/02
 Project / Client Red Panther Site
Wednesday J.C.

1015 Ecell arrived on site to remove water from the 2000⁺ gallon tank cut from the Hvac tank.

1100 I photographed the chemical staining of the concrete & the core cutting water as it stood in puddle around the Core cell.

1200 Lunch

1300 Returned to Site

1315 URS had concluded that the burn pit area in DG 8 would be covered and left for another sampling time. They changed their mind and decided to take a soil sample at 3' on DG 8.

1330 HEPACO Dug to 3' at Dq 8 with a backhoe. The dig unearthed fiber drum drums made of metal & a rotted 56 gal drum - unburnt fiber cardboard from the drums - yellow red green

Location Clarkdale Mine Date 12/11/02
 Project / Client Red Panther
Wednesday J.C.

electrical wire - tree roots (no tree in the area).

A cube material was present and was grey green in color. Very distinctive from the other components. Chunks of black soft material glass-emburnt wood & ash. It appears that this was NOT a burn pit but a burial pit for burnt material.

1335 URS had run out of 8g bottles for sample collection & were awaiting a supply of bottles from Burke.

1400 The Corbett core cutting person had advanced 4 hours on the tomb farm area in DG. He said he would leave early as he had some personal business to attend to.

1515 BURE showed up with sample jars & the DPT sampling resumed in area DG.

Location Clarkdale Miss Date 12/11/08
 Project / Client Red Panther
Wednesday

1600 Sampling continued in the DG Area

1700 UF ~~...~~

~~Bad pay~~

1700 URS + BURC begin to shut
 down for the day

1720 Depot Site

Location Clarkdale Miss Date 12/12/08
 Project / Client Red Panther
Thursday weather 35°

0730 URS + BURC resumed DPT sampling
 in the DG area.

1130 Concrete Coring was completed
 and the substructure depicted etc.

1300. Ate lunch + Resumed
 sampling

1450 - DG area sampling complete
 move to area BG + Railroad tracks.

1500 SE Depicted site / URS + BURC
 still sampling on track from pad.
 Chuck will take sample of
 open excavated surface samples
 by Friday morning

JL 12/12/08

Location Clarksdale Date 12/16/08Project / Client Red PantherMonday

1200 - arrived on site - URS +

Burke are here + are getting ready to sample at tank farm pad + railroad. that is where they left off on Friday.

- Judy URS + Burke were on site and drilled holes for DPT samples. apparently it rained. they left early.

1300 A-OK -

1500 Begin Sampling along Railroad track spur on Tallahassee ave. side. No sample taken under 2" feed line that runs under boarding dock. Not sure why??

1600 Sample from Sats + Sunday ready for Fed X - Pick up before 5:30.

1730 off Site.

JA

Location Clarksdale Miss Date 12/17/08Project / Client Red PantherTuesday Chocoy. 48° JLC

0800 - URS + Burke - begin DPT Sampling at Railroad Siding CP area.

1100 Picked up Photo from Halmont + begin labeling.

1230 URS Burke - Lunch - Remain on site to complete photos.

1:30 Complete 19 DPT @ Railroad

4:30 De-mob + Clean up

5:30 Departed Site -
Go home tomorrow -JLC
12/17/08

Location Clarksdale - MS Date 2/9/04
 Project / Client Red Panther

^{MS}
~~02~~ 1400 Martin Smith (KEVRIC/START2) departs
 Mobile, AL for Pensacola Airport.
 1515 MS arrives at airport.
 2030 MS arrives at hotel in Clarksdale, MS.

MS

Location Clarksdale - MS Date 2/9/04
 Project / Client Red Panther

0900 MS departs hotel for Wal-Mart to
 purchase a disposable camera and
 sharpies.
 1000 weather is overcast, light rain, temperature
 50° F. Forecast: rain throughout the day
 temperature 30-50° F.
 1015 MS arrives at Red Panther site.
 1045 MS calls Steve Susan (URS). SS
 informs MS that they are running late
 and to take an early lunch meeting
 at the site at 12:30.
 1225 MS arrives at the site. Steve
 Susan and Michel Allard (URS) ^{or}
 (URS - Atlanta) and Don Cox and ^{Louis} ~~Don~~ Piani
 (Hepaco - Memphis) on site.
 1235 Walk site and discuss sample
 collection locations. Will be collecting
 11 TCLP soil samples and up to 8 waste
 samples from the ASTs.
 1300 Hepaco begins using backhoe to clear
 gravel from sample locations.
 1305 URS prepares equipment and containers for
 sampling and sets up dean area.
 1330 MS takes photo 1 of a sample trench.

MS

Location Clarksdale - MS Date 2/19/04
 Project / Client Red Panther

Photo Log

No	Dir	By	Description
1	W	MS/SS	sample trench
2	S	MS/SS	Sampling TCLP grid 10

MS/SS
2/19/04

Location Clarksdale - MS Date 2/19/04⁴⁷
 Project / Client Red Panther

grid 10.
 1415 Encounter a concrete slab in
 TCLP grid 3. ~~Contact~~ URS pm Brent
 Jacobs contacted, he contacts Warner Golden
 (Newfields Birmingham). Decision made by
 WG to move the TCLP grid 3 samples
 away from the pad, samples now are
 in a line instead of a square.
 1430 URS begins collecting sample from
 TCLP grid 10.
 1435 MS takes photo 2 of sample
 collection at TCLP grid 10.
 1450 URS completes sample collection at
 TCLP grid 10. TCLP samples to be analyzed
 for VOCs, TCLP, PCB pesticides and metals.
 1457 Move to TCLP grid 3 to collect
 soil sample.
 1500 Sample from TCLP grid 10. URS a
 4 point composite collected @ 1' bls
 with a steel shovel that had been
 deconed.
 1520 Collect soil sample from TCLP
 grid 3, 4 point composite, same parameters as
 TCLP grid 10.

MS/SS

Location Clarksdale - MSDate 2/9/04Project / Client Red Panther

1530 URS/Hopaco breaks because rain becomes heavy.

1620 URS calls off days activities due to continuing rain.

1630 MS departs site for hotel.

1645 MS arrives at hotel.

[Handwritten signature]
2/9/04

Location Clarksdale - MSDate 2/20/04Project / Client Red Panther

0745 MS departs hotel for site.

0800 MS arrives at site. Weather in the 40's, high in the 40's, light rain. Steve Suster and Michel Allard (URS) are onsite prepare equipment for sampling.

0815 Dan Cox and Louis Pirani (Hopaco) arrive onsite.

0825 Hld health and safety meeting. Cover physical hazards, slips trips and falls. Cover safety around heavy equipment. Cover proper level of ppe. Cover safety around ASTs with care while using ladders.

0830 conclude meeting. Move to TCLP grid 4 and begin using track backhoe to uncover sample locations.

0845 MS takes photo 1 of backhoe removing gravel from a sample location in TCLP grid 4.

0900 MS takes photo 2 of sludge leaking from AST #4.

0900 Begin opening and gauging ASTs. ASTs #5 and #7 contain salt sludge approximately 1 foot thickness on the bottoms of the tanks. AST #6 cannot be gauged or sampled due to the ~~water~~ ^{water}.

Location Clarksdale - MSDate 2/10/04Project / Client Red Panther

No	Dir	By	Description
1	N	MS/SS	Removing gravel cover, grid 4
2	N	MS/SS	Sludge leaking from AST #4
3	W	MS/SS	Setts formed on AST #2 valve
4	N	MS/SS	Sampling AST #8
5	W	MS/SS	Sampling AST #5
6	W	MS/SS	Product from AST #7
7	E	MS/SS	Sample location marker

[Signature]
2/10/04

Location Clarksdale - MSDate 2/10/04Project / Client Red Panther

placement of the manway flush against AST #5. AST #4 manway bolts cannot be removed therefore it will not be sampled. through a small vent pipe it appears that AST #4 is empty of contents. AST #5 contains 4-6 inches of solids on the bottom of the tank. ASTs #5 and #7 also contained a few of liquids on the bottom of the tanks. AST #2 contains approximately 1 foot of liquid. AST #1 contains 2-3 feet of solids with a small amount of liquid in one depression in the solids, depression is approximately 3 feet in diameter.

0920 MS takes photo 3 of sett formed in fill valve of AST #2.

0932 Steve Spurlin (EPA) arrives on site and is briefed by Steve Suster on site activities.

0933 AST #8 contains approximately 1 foot of what appears to be waste oil. AST #8 is leaking contents onto the ground.

1000 Clarksdale Public Utilities representative shows up onsite to make sure that no more markets

[Signature]

Location Clarksdale, MS Date 2/10/04
 Project / Client Red Panther

of utilities needed. This week. Employees
 name was Buddy Bennett.

1023 During walk around, Michel Allard collected
 TCLP samples from TLD grids 2 and 4.

1030 URS decons equipment.

1100 URS prepares to collect a sample from
 AST #8.

1105 Samples from ASTs will be collected by
 attaching a plastic ^{or glass} plastic pitcher or
 glass jar to the end of a PVC pipe and dipped
 into the product. The pitchers/jars will be
 dedicated, one per tank. Begin sampling AST #8.

1120 MS takes photo 4 of the sampling of AST
 #8.

1137 Steve Spurlin offsite. Spurlin request
 START 2 to call him at end of each. workday
 with an update of the days activities.

1145 Break for lunch, all offsite.

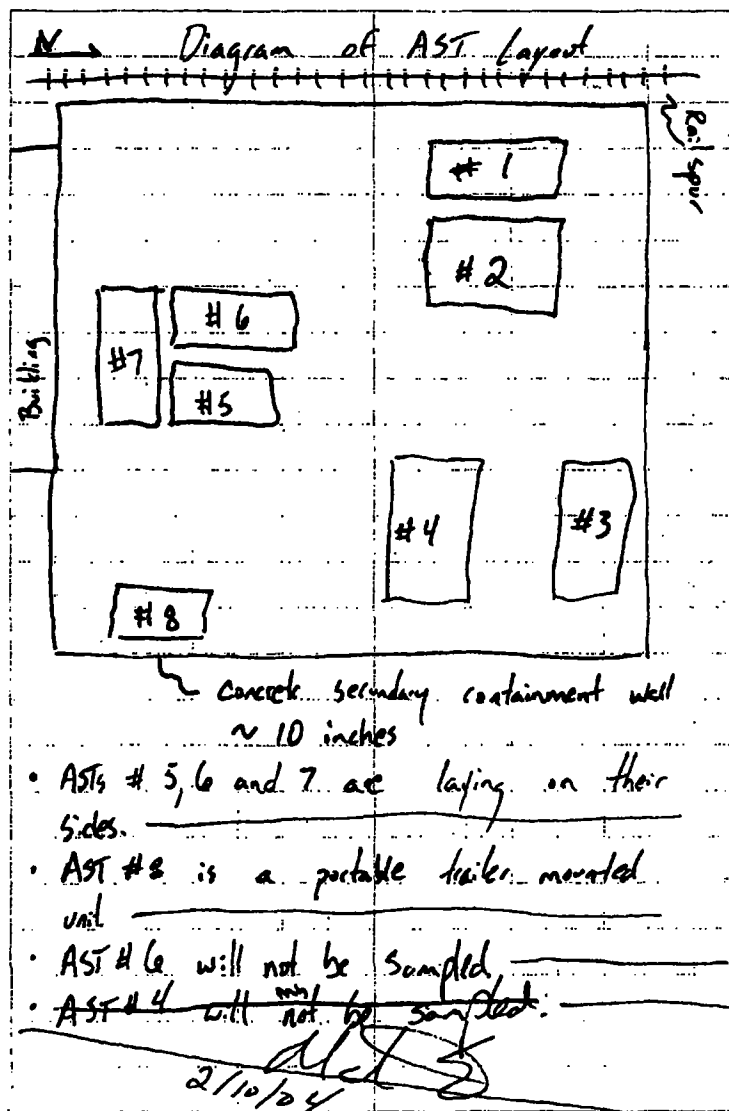
1300 Return from lunch. Prepare to continue
 sampling ASTs.

1305 Prepare to sample AST #5.

1310 MS takes photo 5 of sample collection from
 AST #5.

1330 Complete sample collection from AST #5.
 Michel

Location Clarksdale, MS Date 2/10/04
 Project / Client Red Panther



Location Charlesdale - MS Date 2/10/04
 Project / Client Red Panther

- 1340 Collect sample from AST #7
 1345 MS takes photo 6 of the product from AST #7.
 1400 Phillip Weatherstone and Richard Ball (MDEQ) arrive onsite.
 1405 Complete sample collection of AST #7.
 1430 Gain access to AST #4. AST #4 contains approximately 6 inches of sludge. Attempt to collect sample from AST #4.
 1455 Complete collection of sample from AST #4.
 1500 Begin collection of sample from AST #3.
 1520 Complete collection of sample from AST #3.
 1525 Begin collection of sample from AST #2.
 1530 AST #2 contents are liquid. A TCLP sample will not be collected.
 1538 Complete sample collection from AST #2. Begin collecting sample from AST #1.
 1600 Complete sample collection from AST #1.
 1610 Begin collecting gravel sample from number 11.
 1611 Gravel samples will be $\frac{1}{2}$ point composites
MS

Location Charlesdale - MS Date 2/10/04
 Project / Client Red Panther

- run for same analysis as TCLP 10.
 1620 Hopes of Hespero offsite.
 1630 MDEQ offsite.
 1635 MS takes photo 7 of a sample location marker.
 1715 Complete collection of gravel sample TCLP 11.
 1720 URS decons equipment and prepares for tomorrow's effort.
 1730 MS offsite for the day.
 1745 MS calls Steve Sporkin and updates him on day's activities.
 1750 MS arrives at hotel.

MS
 2/10/04

Location Clarksdale - MS Date 2/11/04
 Project / Client Red Panther

0715 MS departs site^{ms} for hotel for site -

0730 MS arrives at site.

0735 URS arrives onsite. Prepare equipment for sampling.

0820 Set up to sample TCLP grid 12 located at the north portion of the railroad dock area. Sample will be collected from 4 points approximately 25 feet apart.

0825 Begin collecting sample TCLP 12. Sample will be analyzed for same parameters as TCLP 10.

0836 MS takes photo 1 of a sample location from TCLP grid 12.

0845 Steve Spurlin (EPA), Richard Bell and Phillip Weatherbee (MDEQ) arrive onsite.

0905 MS takes photo 2 of filling jars for TCLP 12 sample.

0915 Surveyors, W. L. Burle Engineers, arrive onsite. Steve Siston shows them survey locations.

0920 Complete sampling TCLP 12 and set up to sample TCLP 13, south side of rail loading dock.

0930 MS takes photo 3 of an area of obvious contamination under the south side rail loading dock.

~~MS~~ 3

Location Clarksdale - MS Date 2/11/04
 Project / Client Red Panther

Photo log			
No	Dir	By	Description
1	E	MS/SS	Sample location, TCLP 12
2	N	MS/SS	TCLP 12, filling jars
3	E	MS/MA	Contaminator under south loading dock
4	W	MS/SS	AST area
5	E	MS/SS	Ditch 5
6	S	MS/MA	Greiner property, sampling

~~MS~~
2/11/04

Location Clarksdale-MS Date 2/11/04
 Project / Client Red Panther

- 1015 Complete TCLP 13 sample collection —
 1020 Move to TCLP 1 sample location, 4-point
 composite from ditch 5. Analysis will be
 same parameters as TCLP 10. —
 1025 MDEQ and EPA offsite. —
 1100 Complete collection of Sample TCLP
 1. Steve Sustan leaves site to obtain
 offsite access from Graeber. —
 1101 MS takes photo 4 of the AST
 area. MS takes photo 5 of the ^{MS}
 Ditch 5. —
 1120 Steve Sustan offsite heading to
 Memphis airport. —
 1125 MA and MS proceed to Graeber property
 to collect hand Auger samples. Permission
 was granted by Skid with Graeber. —
 1135 MS takes photo 6 of hand auger sample
 collection from the Graeber property. —
 1140 Begin collecting DPT-7B. Sample is a
 composite from the interval of 0-2' b/s from
 one boring. Sample will be analyzed for
 total arsenic. —
 1150 Complete collection of DPT-7B. —
 1200 Decon hand auger and set up on DPT-8B. —
Atlet

Location Clarksdale-MS Date 2/11/04
 Project / Client Red Panther

- 1210 Complete sample collection at DPT-8B.
 Decon hand auger. —
 1220 Set up on DPT-9A. —
 1235 Complete collection of sample DPT-9A.
 All Graeber property samples are to be
 analyzed for ^{MS} total arsenic only. —
 All Graeber property samples were
 collected from 0-2 foot b/s and were a
 composite of the 0-2 foot b/s interval.
^{From MS} —
 1245 Break for lunch. —
 1345 Return from lunch. Decon equipment,
 prepare samples for travel and clean
 up area. —
 1400 MS leaves site for hotel in
 Memphis, TN. —
 1530 MS arrives at hotel in Memphis, TN. —

Atlet
 2/11/04

60

Location Clarksdale - MS Date 2/12/04
Project / Client Red Panther

0800 MS departs hotel for Memphis airport. —
0930 MS boards flight to Pensacola, Florida. —
1130 MS arrives in Pensacola, FL. —
~~1300 MS arrives~~
1200 MS breaks for lunch. —
1246 MS returns from lunch and drives to
Mobile, Alabama. —
1400 MS arrives in Mobile, Alabama. —

[Signature]
2/12/04

61

Location Clarksdale ^{MS} MS Date 2/15/04
Project / Client Red Panther ^{MS} MS

[Large rectangular area with a diagonal line through it, containing a signature and date: 2/15/04]

Location CLARKSDALE, MS Date 4 OCT 04Project / Client RED PANTHER

1100 DAVID BROOKS OF AEPD
(SUB TO URS) CONDUCTED
DAILY SAFETY BRIEFING &
WORK PLAN FOR THE DAY.
WESTON - TIM MAHER
EPA - STEVE SPURLIN
MDEQ - ROBERT HUCKABY

1115 COMPLETE DAILY SAFETY
BRIEFING.

1130 BRENT CROSS OF URS ON SITE

1200 BREAK FOR LUNCH

1300 RETURN FROM LUNCH

CHERYL CARBONARO OF EPA ON SITE.
ROBERT BALL OF MDEQ ON SITE.
AEPD BEGINS REMOVING
CONCRETE PAD NEXT TO
RAILSPUR (SECTION C) WITH
JOHN DEERE HOE RAN.

1600 DITCH, 1 SECTION B, SOIL
STACK PILE SAMPLED

Location CLARKSDALE, MS Date 4 OCT 04Project / Client RED PANTHER

1740 LEG METER USCS TO TEST
INTERIOR MID OF TANK #7.
IN PREPARATION FOR CUTTING
TANK

1750 BEGAN CUTTING END OF OF
TANK #7.

1815 BOTTOM OF TANK #7 REMOVED
(ACCESS HOLE)

1830 OFF SITE FOR THE DAY.

TS/MS
4 OCT 04

Location CLARKSDALE, MS Date 05 OCT 04Project / Client RED PANTHER

- 0700 ON SITE
- 0715 CONDUCT DAILY SAFETY BRIEFING.
DISCUSSED DANGERS OF CONTAMINANTS (ARSENIC) PROPER PPE WHEN CUTTING & CLEANING TANKS.
- 0730 EXCLUSION ZONE SET UP IN PREPARATION FOR DECON OF AST'S
- 0800 MSD&D ON SITE
- 0845 CITY OF CLARKSDALE PUBLIC WORKS DEPT ON SITE TO INSPECT AREA C IN PREP FOR FUTURE EXCAVATION. ALOH CONLEY.
- 0900 CITY ELECTRIC OUT TO LOOK AT POWER POLES IN AREA C FOR TEMPORARY BRACING.
- 0920 RICHARD BULL OF MSD&D OFF SITE
- 0950 FIRE STARTED IN VACUUM TANK. FILTER BAGS CAUGHT

Location CLARKSDALE, MS Date 05 OCT 04⁶⁵Project / Client RED PANTHER

* OUT OF SEQUENCE

- WHEN TRYING TO CUT TOPS OF HANGERS.
- 1010 FIRE OUT. LOCAL FIRE DEPT. ARRIVED ON SCENE. POLICE CHIEF AND COUNTY EMERGENCY MANAGEMENT ON SITE
- 1020 CALLED STEVE SPURLING
- NOTE: ROBERT HUCKABY OF MSD&D RETURNING TO SITE WHEN HE SAW THE SMOKE PLUME.
- 1200 OFF SITE FOR LUNCH
- 1230 RETURNED FROM LUNCH
CARLTON GIBSON OF WASTE MANAGEMENT ON SITE TO DISCUSS BEST WAY TO CONTAMINATED RESIDUE.
- 1440 APPEARS TO BE EXCESSIVE SMOKE FROM AST CUTTING OPERATION. STOPPED ACTIVITIES TO DISCUSS FIRE SAFETY AND WAYS TO REDUCE SMOKE
- * 1300 MISSISSIPPI GAS OUT TO LOCATE MAIN IN AREA C

Location CLARKSDALE, MS. Date 5 OCT 04
 Project / Client RED PASTEUR

- 1540 B & D TOWNS AND RECOVERY
 ON SITE TO DELIVER VAC TANK
 1610 TOOK SAMPLE OF RESIDUE
 IN TANK #6 (FULL TOTALS)
 1700 TOOK COMPOSITE SAMPLE
 FROM TANK #'S 1, 3, 5 & 7.
 1830 OFF SITE FOR THE DAY.

TITLED
 05 OCT 04

Location CLARKSDALE, MS Date 6 OCT 04
 Project / Client RED PASTEUR

- 0700 ON SITE. GATES STILL LOCKED.
 BRETT JACOBS (URS) ON SITE.
 0730 HEPROO CREW ON SITE
 0755 CONTRACT DAILY SAFETY
 BRIEFING. DISCUSSED
 DUST CONTROL FOR VACUUM
 OPERATIONS. GAS LINE
 SHUTOFF EXCAVATION.
 FIRE SAFETY FOR COMPLETING
 TANK CUTTING.
 0815 MISSISSIPPI VALLEY GAS ON SITE
 TO OVERSEE GAS LINE EXCAVATION
 AND TO CUT & CAP 1" LINE
 UNDER LOADING DOCK.
 0840 BEGAN GAS LINE EXCAVATION.
 BEGAN VACUUM OPERATION.
 0930 PR MEETING WITH LOCAL
 & COUNTY OFFICIALS.
 STEVE SPURGIN - GAS LINE FOUND @ 18"
 ON SITE EXCAVATION CAUSED MINOR
 LEAK IN LINE. M.V. GAS
 WORKING TO CAP GAS LINE.
 1145 CONCLUDE PR MEETING
 WITH LOCAL & COUNTY OFFICIALS

Location CLARKSDALE, MS Date 6 OCT 04
 Project / Client RED PANTHER

- 1200 BREAK FOR LUNCH
 1230 RETURN FROM LUNCH
 STARTED WORKING ON LOADING
 DOCK IN AREA C.
 1315 LABELLED DRUMS USED FOR
 CONTENTS OF TANK #8.
 1445 COMPLETED TRIPLE WASH BECOS
 & DEMO OF TANK #8.
 PRESSURE WASHED CONTAMINANTS
 FROM PAD UNDER TANK #8.
 VACUUMED RINSEATE INTO
 CONTAINER FOR PROPER DISPOSAL
 (ALL CONTENTS & RINSEATE FROM
 TANK #8 IN 55 GAL. STEEL
 DRUMS)
 1505 FIRST LOAD OF SCRAP METAL
 TAKEN TO MARTIN BROS
 SCRAP METAL CLARKSDALE.
 1530 SECOND LOAD OF SCRAP METAL
 TO MARTIN BROS.
 1540 STARTED VACUUMING TANK #3
 1610 STOPPED WORKING ON TANK #3.
 LARGE CHUNKS OF SOLIDS
 HINDERING PROCESS OF

Location CLARKSDALE, MS Date 6 OCT 04
 Project / Client RED PANTHER

- LOADING MATERIAL INTO
 VACUUM BOX
 1615 MOVED EQUIPMENT TO STREET
 ON TANK #2. CONTENTS
 .. PRIMARILY LIQUID.
 1625 QUESTIONS RAISED ABOUT
 CONTENTS OF TANK #2. TESTED
 PH WAS FOUND TO BE 14+.
 DELAYED CONTENTS REMOVAL
 TO CHECK REACTIVITY WITH
 MATERIAL ALREADY IN VAC TANK
 1645 MOVED VACUUM OPERATION TO
 TANK #7. BACKHOE USED TO
 LOOSEN MATERIAL INSIDE TANK
 1700 MATERIAL IN TANK #2 FOUND TO
 BE NON-REACTIVE. VACUUM
 OPERATION RETURNED TO TANK #2
 1815 FINISH REMOVING MAJOR SOLIDS
 FROM TANK #2
 1830 OFF SITE FOR THE DAY.

[Signature]

70

Location CLARKSDALE, MS Date 7 OCT 04Project / Client RED ANTHEM

- 0730 ON SITE
- 0735 CONDUCT DAILY SAFETY BRIEFING. SLIPS, TRIPS & FALL, REVIEWED EXCLUSION ZONE, OVERHEAD POWER LINES IN AREA.
- 0745 CONCLUDE DAILY SAFETY BRIEFING.
- 0750 MOVED SOLIDS ROLL OFF CLOSER TO HOT ZONE TO PREVENT SPREADING CONTAMINATION
- 0815 BEGAN DEMO OF AST #3
- 1020 CARLTON GIBSON OF WASTE MANAGEMENT ON SITE TO DISCUSS MATERIAL PROFILES & MOST EFFICIENT SHIPPING.
- 1030 NES ON SITE FOR RENTAL EQUIPMENT MAINTENANCE.
- 1140 AST #'S 2 & 3 DECONED & READY FOR DEMOLITION
- 1200 BREAK FOR LUNCH
- 1230 RETURN FROM LUNCH SET UP TO START DEMOLITION

71

Location CLARKSDALE, MS Date 7 OCT 04Project / Client RED ANTHEM

OF AST #3	
1250	BEGAN REMOVING SOLIDS FROM AST #7
TEST RESULTS FROM SOIL STOCKPILE (ALL RESULTS IN PPB)	
TOXAPHENE	8,730,000
DDP	413,000
DPE	32,900
DDT	984,000
DIBLIND	308,000
CHLORDANE	2850
ENDRIN	84,300
ENDRIN KETONE	93,700
HEPTACHLOR EPOXIDE	5,600
ALDRIN	25,700
1430	WARREN GOLDEN OF NEW FIELDS (STRATEGIC PLANNING) WORKING WITH URS.
1500	BRENT JACOBS OFFSITE
1700	COMPLETE & CUTTING & FOLDING AST #3
1830	OFF SITE FOR THE DAY
TJ M 7 OCT 04	

Location CLARKSDALE, MS Date 7 OCT 04Project / Client RED PANTHER

1730 FINISHED CUTTING AST #2
IN HALF

1745 AST #2 STAGED FOR REMOVAL
AT THE EDGE OF THE EXCLUSION
ZONE. HEPA CO WILL CHECK WITH
MARTIN BROS. TO SEE IF THEY
CAN TAKE AST HALVES WITHOUT
FOLDING.

1800 AST #7 STAGED AT EDGE OF
EXCLUSION ZONE FOR CUTTING
& REMOVAL

1830 OFF SITE FOR THE DAY

NOTE: HEPA CO PLANS TO DEMO
AST #5 AND REMOVE AST #S
2, 3, 7 & 8. TOMORROW. ALSO
WESTON WILL BE OFF SITE
FOR THE WEEKEND, RETURNING
11 OCT 04.

TJ Miller

Location CLARKSDALE, MS Date 11 OCT 04Project / Client RED PANTHER

1030 WESTON ON SITE. HEPA CO
CREW ON SITE AT ARRIVAL
AST #S 1, 4, 5 & 6 STILL TO
BE DEMONED & DEMO'D
AST #S 2, 3 & 7 AND DUST
COLLECTOR OFF SITE.

1100 MICHAEL ALLEN OF URS
ON SITE. BEGAN REMOVING
CONTENTS OF AST #5. BEGAN
CUTTING END OF AST #1
IN PREPARATION FOR DEMO.

1200 BREAK FOR LUNCH

1230 RETURN FROM LUNCH

1300 DAVID BROOKS OF HEPA CO
ON SITE. RECEIVED PRELIMINARY
RESULTS FROM LAB FOR AST #S.
METALS & VOC'S INDICATE
ARSENIC. WAITING FOR PESTICIDE
RESULTS.

1315 NES ON SITE FOR PERMITS.
TO TRACK HEE. WOULD NOT
START THIS MORNING.

EPA ID # MS 5000272385
FOR CONTAINER LABELS & MANIFESTS

74

Location CLARKSDALE, MS Date 11 OCT 04Project / Client RED PANTHER

- 1330 NEW SLUDGE BOX PLACED FOR CONTENTS OF AST #4 (PHEND)
- 1400 AST #5 DECONTAMINATED & FOLDED FOR REMOVAL FROM SITE.
- 1430 FIRST LOADS OF CONCRETE FROM LOADING DOCK READY TO LEAVE.
- 1435 BEGINS REMOVING CONTENTS OF AST #4 INTO DEDICATED SLUDGE BOX.
- 1530 BEGINS RINSING AST #4.
- 1600 TEST RESULTS BACK FROM THE LAB. AST #6 W/2 COMPOSITE SAMPLE CAME BACK BDL FOR PESTICIDES. AST #'S 1 & 6 CAN SHIP UNDER SAME WASTE PROFILE AS AST #'S 2, 3, 5 & 7.
- 1650 AST #4 RINSED & READY FOR DEMO.
- 1715 BEGINS REMOVING THE CONTENTS OF AST #6.
- 1840 AST #6 RINSED & READY FOR DEMO.
- 1900 OFF SITE FOR THE DAY.

Tim 11 Oct 04

75

Location CLARKSDALE, MS Date 12 OCT 04Project / Client RED PANTHER

- 0700 WESTONS ON SITE. NXS ON SITE FOR REPAIRS TO TRACKHOE.
- 0730 HEPAKO CREW & MICHAEL ALLARD (URS) ON SITE.
- 0735 CONDUCT DAILY SAFETY BRIEFING & REVIEW ACTIVITIES FOR THE DAY.
- 0745 CONCLUDE SAFETY BRIEFING.
- 0800 MOVE DRUMS OF SOIL CUTTINGS & DECON WATER FROM PREVIOUS SITE SAMPLING ACTIVITIES TO BE COMBINED WITH OTHER MATERIAL FOR REMOVAL FROM THE SITE.
- 0830 BEGIN DECON AST #1
- 0940 AST #6 OFFSITE TO MARTIN BROS.
- 1020 AST #5 OFFSITE TO MARTIN BROS.
- 1030 START DECON OF SOIL DRUMS & EQUIPMENT.
- 1050 CARLTON GIBSON OF WASTE MANAGEMENT ON SITE. SOIL STOCKPILE PROFILE APPROVED. SHOULD HAVE TRUCKS TODAY.

76

Location CLARKSDALE, MS Date 12 OCT 04Project / Client RED PANTHER

- 1050 VAC TANK & SLUDGE BOXES (3)
TO SHIP TO EMELLE, AL.
STOCK PILED SOIL TO SHIP TO
LAKE CHARLES, LA. CONCRETE
FROM LOADING DOCK SHIPPED
TO TUNICA, MS. AS CONSTRUCTION
DEBRIS.
- 1100 SLUDGE BOXES READY TO SHIP.
- 1200 BREAK FOR LUNCH
- 1230 RETURN FROM LUNCH.
- 1235 BEGIN CUTTING BOTTOM END
OF AST #1
- 1300 BEGIN LOADING CONCRETE FOR
REMOVAL FROM SITE.
- 1345 FIRST CONCRETE LOAD OFF SITE.
- 1410 MATTHEWS TRUCKING (2-20yd Dump)
ON SITE TO HAUL CONCRETE
- 1515 MADE REPAIRS TO FACIT &
SOFFIT ON OFFICE BUILDING
DAMAGED BY CRANE WHEN
MOVING DUST COLLECTOR FROM
AREA D.
- 1550 FIRST 20yd LOAD OFF SITE

77

Location CLARKSDALE, MS Date 12 OCT 04Project / Client RED PANTHER

AST #8	UN 2902	6 DUMPS
	PROFILE NO VB 2771	
AST #4	UN 2902	SLUDGE BOX
	VB 2771	5507
AST #S 1, 2, 3, 5, 6 & 7		2 SLUDGE BOX
	UN 2759	5309
	VB 0423	798
VAC BOX	?	
	VB 22692	(VAC BOX NO)
1630	SECOND 20yd LOAD OFF SITE	
1830	OFF SITE FOR THE DAY	
REMOVED 12 OCT 04		

78

Location CLARKSVILLE, MS Date 13 OCT 04Project / Client RED PANTHER

0700 WESTON ON SITE
 0730 HEPACO & URS ON SITE
 0735 CONDUCT DAILY SAFETY BRIEFING & REVIEW ACTIVITIES FOR THE DAY.
 0740 CONCLUDES SAFETY BRIEFING
 0800 AST#4 OFFSITE TO MARTIN BROS.
 0830 FIRST HALF OF AST#1 TO MARTIN BROS
 0900 MISSISSIPPI VALLEY GAS ON SITE TO PUT A PERMANENT CAP ON GAS MAIN IN AREA C. MATTHEWS TRUCKING ON SITE TO CONTINUE LOADING CONCRETE.
 0940 SECOND HALF OF AST#1 TO MARTIN BROS.
 1050 FIRST MATTHEWS TRUCK OFF SITE
 1105 LOADING SECOND TRUCK.
 1830 SECOND MATTHEWS TRUCK OFF SITE
 1345 BREAK FOR LUNCH
 1430 RETURN FROM LUNCH.
 1630 GAS COMPANY BACK FILLING HOLE
 1640 HEPACO RETURNS TO PULLING UP TRUCK
 1830 OFF SITE FOR THE DAY

TPM 13 OCT 04

79

Location CLARKSVILLE, MS Date 14 OCT 04Project / Client RED PANTHER

0700 WESTON ON SITE.
 0730 HEPACO ON SITE.
 0740 URS ON SITE. CONDUCTED DAILY SAFETY BRIEFING & REVIEWED ACTIVITIES FOR THE DAY.
 0745 CONCLUDES SAFETY BRIEFING.
 TRUCK ARRIVED TO TAKE STOCKPILED SOIL OFF SITE.
 0750 BEGIN LOADING TRUCK WITH STOCKPILED SOIL. (ROBERT & WOOD)
 0800 STREET WORK ON FINISHING TRACK REMOVAL.
 0920 STOCKPILED SOIL TRUCK OFF SITE.
 HAZ WASTE MANIFEST:
 WASTE CODES D0022, D012, D015
 RQ, HAZARDOUS WASTE, SOLID,
 NOS, 9, NA 3077, III
 TOXAPHENE & EDDRIN
 HANDLING CODE H132 (Bio)
 STATE MANIFEST DOCUMENT NO.
 LA A 6806117
 MANIFEST DOCUMENT NO.
 10124

Location CLARKSDALE, MS Date 4/12/05
 Project / Client RED PANTHER

- 0730 DEPART HOTEL FOR JOB SITE.
 0740 ARRIVED AT SITE.
 0800 WRIGHT STEEL CREW
 ON SITE TO BEGIN
 DEMOLITION OF BUILDING
 OVER BREZZEWAY.
 1130 BREAK FOR LUNCH.
 1230 RETURN FROM LUNCH.
 1315 MEET IN CONFERENCE ROOM
 TO DISCUSS SITE LAYOUT
 AND SAFETY.
 1600 COMMAND MEETING.
 TOPICS DISCUSSED:
 SITE SECURITY
 ACTION LEVELS
 DECON STATIONS
 PPE LEVELS
 PUBLIC RELATIONS
 DONOR AVAILABILITY
 BACKFILL REQUESTS.
 1800 DEPART SITE FOR THE DAY
 1810 ARRIVE BACK AT HOTEL

TIM

Location CLARKSDALE, MS Date 4/13/05
 Project / Client RED PANTHER

- 0750 DEPART HOTEL FOR JOB SITE.
 0800 ARRIVED AT SITE.
 0900 CONVENED MEETING WITH
 LOCAL AUTHORITIES.
 TOPICS COVERED;
 - SITE OVERVIEW
 - APPROVED TRAFFIC PLAN
 - FLAMMABLE MATERIALS AND
 WHAT THEY ARE USED FOR.
 - EQUIPMENT DECON IF
 LOCAL AGENCY NEEDS TO
 ENTER THE SITE
 - EMERGENCY RESPONSE
 DURING NON-BUSINESS
 HOURS.
 - SITE SECURITY AND
 EVACUATION PLAN
 - SCHEDULE OF ACTIVITIES
 - TRUCK ROUTES / ROAD USE
 - GAS LINE LOCATION AND
 PRECAUTIONS
 - WHY WON'T ALL BUILDINGS
 BEING REMOVED.
 IS REMOVAL IMMEDIATE

Location CLARKSDALE, MS Date 4/13/05Project / Client RED PANTHER

- CONTAMINATION THREAT
- MAY BE INVESTIGATED
FURTHER IN THE FUTURE.
- 1015 MEETING ADJOURNED
1200 DEPART FOR LUNCH
1300 RETURNED FROM LUNCH
1345 URS TOOK COMPOSITE
SAMPLE FROM DRAINAGE
DITCH AT SOUTH END OF
PROPERTY FOR DISPOSAL
PROFILING
- 1430 URS TOOK COMPOSITE SAMPLE
FROM IN FRONT OF REAR
STORAGE BUILDING NEXT
TO LOADING RAMP FOR
DISPOSAL PROFILING
- 1700 DEPART SITE FOR THE DAY
1715 ARRIVED AT HOTEL

TJMA

Location CLARKSDALE, MS Date 4/14/05Project / Client RED PANTHER

- 0730 DEPARTED HOTEL
0740 ARRIVED ON SITE
1030 CLARKSDALE ELECTRIC
DEPARTMENT WAS ON SITE
TO DISCONNECT POWER
TO BUILDINGS AT THE
REAR OF THE PROPERTY
(CLARKSDALE PUBLIC UTILITIES)
DID A WALK THROUGH WITH
LARRY PROVINCE TO IDENTIFY
HAZARDS POSED BY POWER LINES
- BOTTOM LINE 120 VOLT
 - NEXT UP NEUTRAL
 - 3 STOP HIGH VOLTAGE
- 1215 DEPART FOR LUNCH
1315 RETURNED FROM LUNCH
1345 COMPASS PUT DOWN 6" I.C.
PLASTIC BEHIND BREEZE WAY
SO THAT WEIGHT STEEL COULD
ACCESS THE REAR OF THE
BUILDING WITHOUT SPREADING
CONTAMINATION INTO THE ROAD
- 1700 DEPARTED SITE FOR THE DAY
1710 ARRIVE AT HOTEL

TJMA

Location CLARKSDALE, MS Date 4/15/05Project / Client RED PANTHER

- 0750 DEPART HOTEL
 0800 ARRIVE ON SITE. COMPASS HAS FLAMMABLE STORAGE BUILDING IN SOUTHWEST CORNER OF PROPERTY DISMANTLED AND IS WORKING ON REMOVING THE CONCRETE DOCK BEHIND FROM EAST SIDE OF BUILDING, BEHIND THE OFFICE
 1000 MOVED EXCAVATOR TO NORTH END OF PROPERTY TO BEGIN DEMOLITION OF AST SUPPORTS AND CONTAINMENT PAD.
 1145 DEPART FOR LUNCH.
 1245 RETURN FROM LUNCH
 1330 COMPASS BEGINS DEMO OF SWAMP LID AND CONCRETE IN PARKING AREA AT NORTH END OF THE PROPERTY.
 1530 DEPART SITE FOR THE WEEKEND

————— T.J.M. —————

Location CLARKSDALE, MS Date 4/15/05Project / Client RED PANTHER

- 0750 DEPART HOTEL
 0800 ARRIVE ON SITE. COMPASS FINISHING CONCRETE DEMO ON NORTH END OF PROPERTY.
 0900 COMPASS BEGINS ASSEMBLING ROAD CLOSED SIGNS AND BARRICADES.
 0940 MET WITH DAVID DELANEY OF URS AND CALLED BRENT JACOBS ABOUT ACTION LEVELS FOR CONFIRMATION SAMPLES.
 BRENT INDICATED THAT A COPY OF THE WORK PLAN FROM NEWFIELDS SHOULD ARRIVE TODAY.
 1045 FEDEX ARRIVED WITH NEWFIELDS WORK PLAN.
 1130 DEPART FOR LUNCH
 1230 RETURN FROM LUNCH
 COMPASS HAS CPU COME OUT TO RESTORE WATER AND ELECTRIC TO BUILDING AT SOUTH OF PROPERTY

————— T.J.M. —————

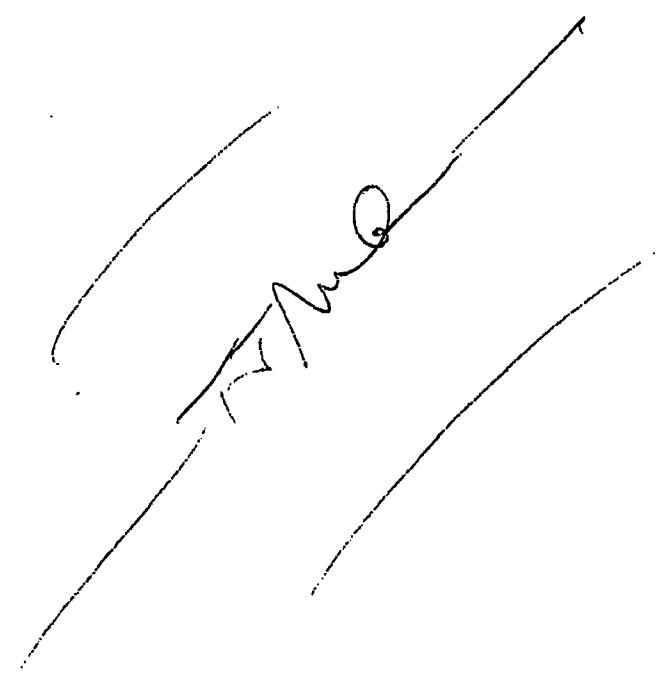
Location CLARKSBURG, MS Date 4/13/05Project / Client RED PANTHER

Parallel to SASS ST.

THE TRUCK DECOR PAD
IS SET IN THIS LOCATION.1400 REVIEWED FINAL DESIGN
WORK PLAN PROVIDED BY
URS.

1700 DEPARTED SITE FOR THE DAY.

1710 RETURNED TO HOTEL

Location CLARKSBURG, MS Date 4/19/05Project / Client RED PANTHER

0820 DEPART HOTEL

0830 ARRIVE ON SITE. COMPASS
ON SITE WORKING ON
MODIFICATIONS TO DECOR PAD.0900 ROAD CLOSED SIGNS PUT
IN PLACE AT TALLAHATCHIE
AVE. ROAD IS NOW CLOSED TO
THROUGH TRAFFIC1000 CPU WORKING ON UTILITIES
TO STORAGE BUILDING AT
SOUTH END OF PROPERTY
NEXT TO DECOR PAD

1145 DEPART FOR LUNCH

1245 RETURN FROM LUNCH

1300 ELECTRICIANS ON SITE TO
FIX OUTLET IN UTILITY ROOM
WITH FRIDGE. FOUND A
BREAKER THAT WAS OFF.
WHEN TURNED ON, A STRONG
BURNING SMELL WAS NOTICED.
WATER FOUNTAIN CONDENSER
IN HALL WAS FOUND TO BE
SHORTING OUT. POWER WAS
DISCONNECTED TO WATER FOUNTAIN

— T J M R —

Location CLARKSDALE, MS Date 4/19/05Project / Client RED PANTHER

1400 SECURITY GATE AT SOUTH
ENDS OF PROPERTY IN PLACE
(WRIGHT STEEL)

1500 SECURITY GATE AT SHAFER
ST AT WEST OF PROPERTY
IN PLACE

1630 DEPART SITE FOR THE DAY

1640 RETURNED TO HOTEL

TJMO

Location CLARKSDALE, MS Date 4/20/05Project / Client RED PANTHER

0800 DEPART HOTEL

0810 ARRIVE ON SITE. INTERNET
CONNECTION STILL DOWN.

REROUTED HOOK UP TO OLD
PHONE LINE. INTERNET RESTORED

0900 CPU ON SITE INQUIRING ABOUT

WHICH FIRE PLUG WILL BE USED

FOR THE WATER TRUCK. A
METER WILL BE CONNECTED
TO PLUG IN SOUTHWEST
CORNER OF PROPERTY.

0915 WRIGHT STEEL ON SITE

WORKING ON GUTTERS TO
BUILDINGS ON SOUTH SIDE

OF PROPERTY, AND REMOVING
OLD FENCE ALONG TALLMATHER

1145 DEPART FOR LUNCH

1245 RETURNED FROM LUNCH

1400 COMPASS BEGINS DIGGING

TEST PITS TO LOCATED THE
HIGH PRESSURE GAS MAIN
AT THE REAR OF THE
PROPERTY.

1600 OFF SITE FOR THE DAY

TJMO

Location Clarksdale, MS Date 4/21/05
 Project / Client Red Panther

- 0820 DEPARTED HOTEL
 0830 ARRIVED ON SITE. WRIGHT
 STEEL WORKING ON GUTTERS
 AND PERIMETER FENCE.
 COMPASS CONTINUING TEST
 PITS TO LOCATE GAS LINE
 1000 W.L. BURLE ENGINEERING
 ON SITE TO BEGIN SURVEY
 AND SET UP EXCAVATION
 GRIDS.
 1145 DEPART FOR LUNCH.
 1245 RETURN FROM LUNCH
 1400 COMPASS FINISHED DIGGING
 TEST PITS FOR FINDING
 THE GAS MAIN AT THE REAR
 OF THE PROPERTY.
 1630 DEPART SITE FOR THE DAY
 1640 RETURNED TO HOTEL.

T. J. [Signature]

Location Clarksdale, MS Date 4/22/05
 Project / Client Red Panther

- 0800 DEPART HOTEL
 0810 ARRIVE ON SITE. COMPASS
 WORKING ON REMOVING
 RAILROAD TIES FROM REAR
 OF PROPERTY.
 0900 WRIGHT STEEL ON SITE TO
 CONTINUE INSTALLING
 GUTTERS
 0910 W.L. BURLE ENGINEERING
 ON SITE TO CONTINUE
 SURVEYING EXCAVATION
 BOUNDARIES AND FIND
 INITIAL ELEVATIONS BEFORE
 EXCAVATION BEGINS.
 1300 DEPART SITE FOR ROTATION
 HOME. TRUCK ROLLOVER
 WILL BE ON SITE FOR THE
 NEXT TWO WEEKS.

T. J. [Signature]

Location Clarksdale, MS Date 04/25/05
 Project / Client Red Panther

- 0630 - Depart hotel for site. _____
 0710 - Arrive onsite, begin to find office and read note that Tim left. START-2 (Rowland) onsite for the next 3 weeks. _____
 Rowland signs HASP and begins to read over NewFields' final design work plan. _____
 0830 - Wright Steel continuing to work on gutters and perimeter fence. Compass continued to remove the R/R ties. _____
 1000 - Break for lunch. _____
 1100 - Back from lunch. _____
 1300 - Rowland takes a ride with Dave Delaney from URS to go around the site. Rowland takes two photos. _____
 1700 - Depart site for the day. _____

Janet Rowland

 End of Day

Location Clarksdale, MS Date 04/26/05
 Project / Client Red Panther

- 0700 - Start-2 (Rowland) departs hotel for site. _____
 0745 - Rowland arrives onsite. Rain for Rent has arrived onsite to hookup filters to frac tanks. Rowland was informed that there will be 2 trucks running today back & forth to Tunica disposing of the concrete. _____
 1000 - Two (2) trucks arrived onsite for the concrete. Will come back for two (2) more loads after the 1st two (2) are disposed. _____
 1200 - Lunch break. _____
 1230 - Back from lunch break. _____
 1600 - Rowland discusses the need for her to get a copy of these manifests so that Rowland could put them into a spreadsheet, or at least put them in the log book. URS (Delaney) signed the manifests. Will get weights tomorrow, along with a copy of the manifests. _____
 1700 - End of Day. _____

Location Clarksdale, MS Date 04/27/05
 Project / Client Red Panther

0700 - STAFF-2 (ROWLAND) depart hotel
 for site.

0745 - ROWLAND arrives onsite.

0815 - Compass Environmental informs
 ROWLAND that they will be disposing
 of more concrete today. Two trucks
 have been loaded out so far.

0915 - Compass Environmental gives ROWLAND a
 copy of yesterday's ton total will
 file in drawer. Compass said they
 will give us a copy everyday.

1000 - Brent Jacobs (URS) arrives onsite.

1045 - Delaney gives ROWLAND a copy of
 the spreadsheet info he has collected
 from yesterday. ROWLAND put info into a spreadsheet.

1230 - Break for lunch.

1330 - Lunch break is over.

1445
 1530 - ROWLAND takes a site walk and takes
 photos.

1530 - ROWLAND re-reads the Newfields project
 work plan.

1630 - Brent Jacobs comes by and says that
 he just got off the phone with
 Steve Spurlin (EPA) about the

Location Clarksdale, MS Date 04/27/05
 Project / Client Red Panther

confirmation sample standards &
 that everything turned out to be
 O.K. as far as the standards
 with the exception of the
 toxaphene standard, in which
 Brent was going to tell the
 lab to fax or email Denise
 their lab info. Brent then
 invites ROWLAND into the
 meeting with him, the URS,
 Compass, & the Lab guys.
 During this meeting they discuss
 the following things:
 - Which area Compass may want
 to start digging in.
 (Pros & Cons) of each way
 to do it. Having the trucks come
 in on SASSIE St. is an option.
 Compass would like to dig along the
 way of AREA C but would like
 to leave the road in along C.
 So they will talk to Steve about
 leaving that in. They also
 mentioned going ahead and trying

Location Clarksdale, MS Date 04/27/05
 Project / Client Red Panther

to get a sample from the C5 and
 on down for a profile to be made
 So that they will know how deep
 they have to go on C8.

- Also they talked about the
 bracing of the gasline near the C2
 near the building. Gas people said
 that the lines needs to be
 braced every 25'. Compass had thought
 about digging it out along both sides
 of the pipe, but if it rains
 the soil would give way.
 - Tomorrow's meeting will begin @ 11am.
 - Also, Compass hopes to begin hauling
 non-haz. soil, tomorrow.
- 1730 - Meeting adjourned.
 1800 - Rowland departs site for hotel.

John P. [Signature]
 Red of Dory

Location Clarksdale, MS Date 04/29/05
 Project / Client Red Panther

- 0730 - Steve - 2 (Rowland) departs hotel for site.
 0815 - Rowland arrives onsite, and goes
 for a site walk to see what areas
 they are excavating & where have
 start on the area of C7 &
 C8 & Area D, with the 4th
 2' foot excavation, and are
 loading trucks with non-hazardous
 soil, & continue on the concrete (non-haz.)
- 1000 - The two (2) representatives from
 NEWFIELDS arrive onsite.
- 1030 - OSC (Spurlin) arrives onsite and
 Rowland & Spurlin sit and talk
 about any concerns or questions
 that she has about the site, and
 they they discuss some things that Brent
 Jacobs (URS) said that he saw
 onsite that he didn't like and Rowland
 in return pointed some things
 out to Brent; And the list is as
 follows:
1. Barb wire along the top part of
 fence, to be fixed by Wright
 Steel and also they need to fix

Location Clarksdale, MSDate 04/28/05Project / Client Red PantherThe gutters.

2. No smoking in Hot Zone/Excavation area and in Building.
 3. Tarping the trucks.
 4. Decourning trucks that leave the site.
 5. Expanding the "Caution" tape around the site to keep the cotton trucks from exiting the site, along SASSE St.
 6. Hanging up ^{more} keep out signs.
 7. Set air perimeter monitoring stations
- 1100 - Meeting with USEPA, Weston, URS, NEWFIELDS, and ECCS.

The following were discussed:

1. Each individual aliquot will be held by the onsite lab in case one of the composite samples come back high, each individual aliquot is analyzed.
 2. Each Grid is 60 x 60
~ Broken into (4) - 30 x 30 aliquots
 3. Grid composite sample should be 24 hr. turnaround.
- * Still need to decide when to run MS/MSD, equipment blanks

Location Clarksdale, MSDate 04/28/05¹⁰¹Project / Client Red Panther

4. Data will be given in Excel format, COC (.pdf).
5. There will be a May 12th meeting between NEWFIELDS & PRP and they will explain to the PRP's of the possible financial increase if Compass has to dig deeper.
6. Q: How many grids may be opened at one time?
A: There maybe four (4) grids open at one time instead eight (8). The grids are (60 x 60).
7. Q: What happens if you get to the end of the digging of one Area and it blows your Performance Standards?
A: The Performance Standards will have to be adjusted accordingly because it must meet the overall average for the grids.
8. If you had 15ND and 1 Hot Spot (1500) then your overall average is OK but if you had another one above 1500 then you would have to dig that up.

Location Clarkdale, MS Date 04/28/05

Project / Client Red Panther

9. Monitor the excavation of grids to correct depth, make sure it goes to correct DF.
10. If there is visible contamination - NEWFIELD would like for it to be sampled
 - Steve indicated that he would like for us not worry about the usual until we/they get to the vertical depth of 2' - 6' - 10'.
11. 0-2' will be analyzed for Total Chlorinated Pesticides
~~at~~ ^{at} any depth greater than 2' is considered subsurface soils.
12. Surface samples will be analyzed on a point by point analysis
13. Toxaphene standard & calibration data to Denise in Athens by onsite ETC & ECCS.
14. Steve said that Mike (Compass Environmental) could come 3ft off curb and a left berm for the 500 line

Location Clarkdale, MS Date 04/28/05

Project / Client Red Panther

- to sit on
15. Mike (CE) said that per Waste Management that Mississippi does not have to have tanks on their trucks.
 16. There are now 14 air monitoring points twice a day. Steve wants 3 of those stations to be monitored with mini-runs on an 8hr interval. URS will take care of the monitoring.
 17. Will cover excavation with plastic while open.
 - 1230 - Meeting adjourned.
 - 1330 - Rowland, Spurlin, Jeff Jacobs, Delaney, walk around site.
 - 1530 - Spurlin departs site.
- Spurlin informs Rowland that he would like for START-2 to do a POUREP at least once a month, also that he wants START-2 to take pictures of new developments.

104

Location Clarksdale, MS Date 04/28/05
Project / Client Red Panther

you don't have to take pictures
everyday, watch the contractors
make sure they don't get too
relaxed.

1730 - Rowland departs for hotel

John Rowland

04/28/05

Location Clarksdale, MS Date 04/29/05¹⁰⁵
Project / Client Red Panther

0715 - START-2 (ROWLAND) departs
hotel for site.

0800 - START-2 (ROWLAND) arrives
onsite, begins look at the
loading begin ~~ing~~ being done
onsite. Then starts logging
notes into log book and on
spreadsheet.

1000 - Rowland sends a sample POLREP
request to Tim Maher.

1100 - Tim sends a copy of one
back.

1630 - Rowland off site, to depart hotel.
* Steve Sparlin did not come by
the site today.

John Rowland

End of Day

106

Location Clarksdale, MS.Date 05/02/05

Project / Client

Red Panther

- 0815-START-2 (ROWLAND) arrived onsite.
 0845- Rowland takes a site walk through and takes pictures.
 1000- Site walk through is complete. Wright Steel is onsite to put barb wire on top of fence.
 1030- Brent Jacobs (URS) onsite, begins onsite air monitoring.
 1130- URS' air monitoring mini-race arrived onsite.
 1300- URS onsite monitoring did not have any high reading $\leq .002$.
 1500- Onsite perimeter was evaluated twice today.
 1645/1745- Compass loaded out 40 trucks today with non-haz. soil & debris and concrete.
 1800- Rowland departs for hotel.

John Rowland
 End of Day

Location Clarksdale, MSDate 05/23/05¹⁰⁷

Project / Client

Red Panther

- 0730-START-2 (ROWLAND) arrived onsite.
 0815- Rowland arrives at the site. Rowland takes a site walk through.
 ~ Wright Steel is working to complete the barb wire along the top of the fence, and working to complete the guttering system.
 ~ Compass is continuing to load the trucks with non-haz soil.
~~0845~~ 0845- Compass begins excavating the (0-2') in the U6, D5, B5 & B6 areas. Compass hit a water in the D6 excavation area. CPU came out to shut off water. Compass pumped the water to the free tank.
 URS began measuring off the slope grid points in the D Area.

108

Location Clarksdale, MS Date 05/03/05Project / Client Red Panther

URS began air monitoring at selected monitoring stations. None of the stations reported an elevated reading.

1300 - 1320 Lunch break.

1500 - The entrance unit driveway along Tallahatchie Avenue in the B5 Area collapsed, so Compass will be forced to have the trucks enter through the entrance along Normandy Ave.

1700 - Begin fixing the water line

1800 - 1830 water line fixing is

1900 complete.

1800 - Rowland offsite headed to hotel.

[Signature]

end of Day

Location Clarksdale, MS Date 05/04/05¹⁰⁹Project / Client Red Panther

0730 - Rowland departs hotel.

0815 - Rowland onsite.

Wright Steel are onsite, completing gutters & dismantling the building over the breeze way.

Compass is continuing loading with non-hazardous soil.

1030 - URS sampled grids D12 & D13. URS, also, will sample all of the grids with Type IV soil to be sent to the offsite lab.

1300 - Lunch break.

1520 - lunch break over.

Compass' excavator got stuck in the mud, URS received results that were high for D12 grid.

1700 - Compass still onsite, completing digging sandbags. Rowland has just received data. Will input data.

1800 - Rowland departs site for hotel.

[Signature]

end of Day

110

Location

Clarksdale, MS

Date

05/07/05

Project / Client

Red Panther

0730 - Rowland departs hotel for site.

0815 - Rowland arrived onsite. Rowland

then begins a site walk through.

- Compass is excavating the non-haz soil of B11, B10, & B16

~ 2 loads of hazardous concrete were shipped offsite to Emelle

~ 1 load of arsenic mixed soil was shipped to

- Wright Steel is still dismantling breeze way.

1300 - Rowland creates to lunch.

1430 - Brent Jacobs (URS) departs site, will return on Tuesday.

Rowland continues to enter data into spreadsheet.

1400 - Rowland departs site for hotel.

Jan Paul
End of Day

Location

Clarksdale, MS

Date

05/06/05¹¹¹

Project / Client

Red Panther

0700 - Rowland departs hotel for site.

0745 - Rowland arrived onsite.

~ Compass Environmental began excavating the ~~the~~ area along the B1 & B2 area (along the concrete divider), then excavation plans are to pull up the concrete and Compass also excavated the ~~the~~ same ~~more~~ of C Area along Tallahatchie Ave.

0930 - Wright Steel is onsite to continue dismantling the building over the breeze way.

1200 - Break for lunch.

1230 - Back from lunch.

~ Receive email from Brent (URS) about the Aliquot results from 12. The results show that Aliquot's D-12C & D-12D have a high contamination result.

FA

1345 - Receive an email from Charlene Kivard (Newfields) replies that the ave. values of all (4) 30-ft grids in grid 12 continue to cause the 954CL to exceed the performance standards.

Sampling grids C & D will have to be excavated an add'l foot to make sure we have excavated all of the contamination.

1630 - Rowland responded by saying please proceed with 1' of add'l excavation in quadrants 12C & 12D of grid D-12. These quadrants are above the max allowable hot spot criteria; in addition they cause a CS failure.

1700 - Depart site for hotel, to finish daily report.

1745 - Arrive at hotel.

1830 - Rowland has completed report.

0730 - Rowland arrives onsite.

~ Compass is excavating the rest of unexcavated area in D12 & D11 near the building.

~ Wright Steel has completed the dismantling of the building over the breezeway. They are now removing the installation and siding and loading it.

~ Rowland takes site walk. There is a stockpile of soil in the B Area, along with a stockpile of concrete.

~ Compass is completing clearing & loading out of soil along Area C.

1000 - Rowland begins to enter data into spreadsheet.

1200 Compass has excavated the left excavation of Grid 12.

1300 - Rowland takes a break.

1400 - Rowland lunch break is over.

1830 - Rowland departs the site.

- JAR

Location Clarksdale, MS Date 05/10/05
 Project / Client Red Panther

0800- START-2 (ROWLAND) onsite.

~ Compass is leading haz & non-haz soils. Only 2 trucks for haz can go out at a time, but the trucking company has sent (4). The other (2) will spend the night at a local hotel.

~ Compass is excavating soil in "C" & "B" Areas.

~ Wright Steel is removing the installation & siding from the building.

~ Compass still has two stockpiles onsite. 1 - haz soil. 1 - non-concrete.

1000- Project Manager for Compass arrived onsite (URS)

1100 - Michel arrives onsite. He will collect samples from the D-12 C & D-12 D grids.

1200- Break for lunch.

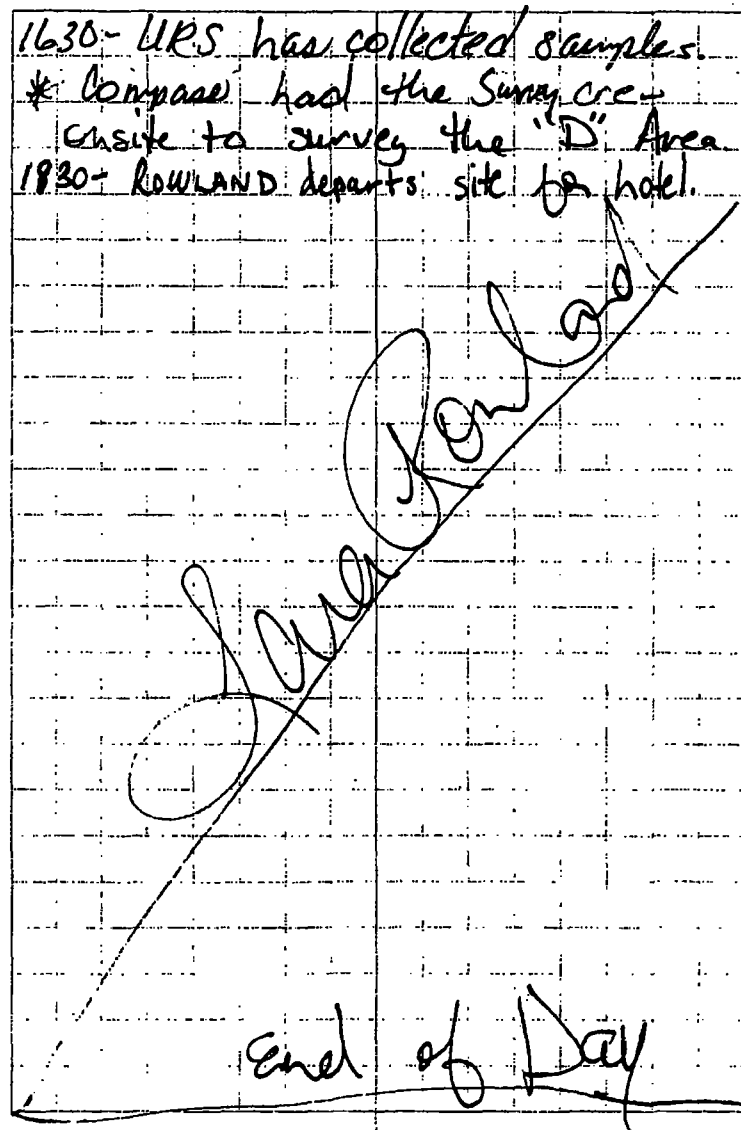
1230- Back from lunch.

1400- Compass & URS have conference about excavation.

End of Page

Location Clarksdale, MS Date 05/10/05¹¹⁵
 Project / Client Red Panther

1630- URS has collected samples.
 * Compass had the Sunny crew onsite to survey the "D" Area.
 1830- ROWLAND departs site for hotel.



Location Clarksdale, MS Date 05/11/05
 Project / Client Red Panther

0800 - Rowland arrives onsite.

Talked to Mich and he said that he sampled D6 Grid Composite & D5 Grid Composite yesterday along with 12D & 12C resamples. Are awaiting results for all. Will start sampling the C & B Areas.

1128 - Received the results from DGS-12C & DGS-12D & DGC-5. Warner decided that to go one foot deeper 12D & DGC-5. Michel (URS) has taken the samples.

1200 - Rowland (START) breaks for lunch.

1245 - Rowland back onsite.

1400 - Rowland was informed that the PRP61 will be onsite tomorrow. Also after grid 5D was excavated an extra foot (URS) noted the shell that could possibly be still contaminated, so URS decided to a TCLP SAMPLE of the soil before they load it out because as of right now it is labeled "non-haz".

Location Clarksdale, MS Date 05/11/05 117
 Project / Client Red Panther

but they are not sure because of the same and how bad the sample had failed before. There will be a meeting with the PRPs & URS tomorrow.

1258 - Rowland off site.

Rowland
 End of Day

Location Clarksdale, MS Date 05/12/05Project / Client Red Panther

0730 - START-2 (Rawland) arrived onsite.

~ Compass is in the process of loading the following trucks.

-3 Trucks are going to Emmelle.

-2 Trucks are going to Onyx.

-4 non-haz trucks

-1 concrete

~ URS took a TCLP sample on the 5D soil because of the odor and b/c it failed. Compass has stockpile all of this soil.

~ Compass has done general site housekeeping around the site.

After the (4) non-haz trucks had been loading, Compass didn't have any more non-haz soil on site, at the moment.

1030 - Brent Jacobs (URS) arrived onsite.

1100 - Everybody began to arrive for the meeting with the PRs.

1320 - Break for lunch.

1330 - Back from lunch break.

Compass did air monitoring in the B Area where the reddish-

Location Clarksdale, MS Date 05/12/05 119Project / Client Red Panther

purple streaks were found in the soil. Compass determined that a respirator needed to be worn while excavation is ongoing.

1700 - Depart site for hotel.

120

Location Clarksdale, MS Date 05/13/05
 Project / Client Red Panther

0745 Rowland arrives onsite.
 ~ Compass is excavating & loading Type II & Type III soil.

~ Rowland prepares the daily.
 Compass loaded out
 6 - Arsenic trucks
 1 - Concrete trucks

1030 - Warner Golden sent out an BF approval request.

1215 - Steve sent his eq. back for the backfilling to begin.

1230 - Rowland offsite.

Jan Rowland

end of Day

Location Clarksdale, MS Date 5-16-05¹²¹
 Project / Client Red Panther

0650 START McHugh onsite. Compass loading out trucks. Note: These trucks are going to Emelle. Work started at 0600 so the trucks would be loaded out by 0900.

0730 START touring the site. Compass is loading out trucks from Area D and Area B. Compass also pumping rain water out of excavated area D.

0845 START reviewing HASP

0900 Compass has finished loading out trucks in Area B.

0945 Compass continues to pump water out of the excavated area D and load out trucks.

NOTE: 10 trucks were loaded out this morning from Area B (arsenic) to Emelle. 2 pesticide trucks are scheduled to be loaded out still today.

1050 Evans Engineers on site to survey Area D before backfilling can begin.

1230 START breaks for lunch.

1300 START back on site. URS taking composite soil (surface) sample at the rear of the office building. Compass (over)

Location Clarksdale, MS Date 5/16/05Project / Client Red Pantherbackfilling Area D.

[1325] START at Area B. Compass loading out 2 trucks (pesticides) heading to Onyx.

[1425] Compass continuing to backfill Area D and load out trucks.

[1515] Compass has finished loading out stockpile at Area D and has started loading out the stockpile west of the office building. ORS taking another surface soil sample southwest of the office building.

[1600] Compass stops loading non-hazardous trucks. Loaded out a total of 17 trucks. Compass covering stockpile with poly (stockpile west of office building).

[1610] Compass decaning bucket on Tractor.

[1700] START begins working on ditches.

[1725] Compass stops work for the day. They estimated ~20 trucks of backfill were brought in today.

[1845] START leaving site for the day.

(12)

Location Clarksdale, MS Date 5/16/05 123Project / Client Red PantherPhoto Log

ID	Time	D	IB	Subject
0937	- SE	-	LM	Water in excavated Area D
0944	- E	-	LM	load out at Area D
1112	- SE	-	LM	Surveying Area D
1309	- N	-	LM	Sampling grid D
1312	- SW	-	LM	Backfilling Area D
1326	- NW	-	LM	loading out truck to Onyx from Area B.
1500	- N	-	LM	Backfilling Area D
1523	- N	-	LM	Load out and Sampling at Area D.
1533	- E	-	LM	Decaning truck
1616	- NE	-	LM	Backfilling Area D

NOTE: Time stamp on these photos are on EST time. Times documented in this log are correct.

(12)

Location Clarksdale, MSDate 5/17/05Project / Client Red Panther

0650 START onsite. Compass holding safety meeting. Plan for the day: load out 10 trucks to Emelle, 2 trucks to Onyx and continue backfilling Area D. Weather: Sunny, high: 81°, low: 60°.

0745 START walking the site. Compass loading out trucks in Area D behind the office building, loading out Arsenic trucks to Emelle, backfilling the excavated hole in Area D.

0815 Compass is mixing backfill with standing water in the excavated hole in Area D.

0845 Compass loader removing railroad ties from Area C to be loaded out with soil.

NOTE: New Field reports that Grid D5 needs to be dug 1 foot deeper due to lab results.

0940 START at Area B. Compass expecting to load out one more truck from Area B today.

0950 Compass excavating in Grid D5 and continuing to backfill grids D11, D12, D13, D14.

1000 Evans Engineering on site to survey area D. Compass is grading backfill.

1030 Compass is excavating grid D8. Tractor hit pipe and sprung a small water leak.

1110 Clarksdale Public Utilities on site to look at leaking pipe. They believe the line is dead and

Location Clarksdale, MSDate 5/17/05Project / Client Red Panther

(Cont'd) just draining but will supply Compass with a clamp.

1130 Compass putting clamp on leaking section of pipe.

NOTE: Warner Golden to send out a backfill approval request this afternoon.

1200 START breaking for lunch.

1235 START working on gathering sampling data for Area B to give to EPA for backfilling approval.

1325 START at Area D. Compass continues to backfill grids D11-14 and excavate D8. Evans continues to survey D11-14.

1415 START and New Fields at Area B to visually inspect for contamination.

1520 Compass continues to backfill & excavate in Area D.

1540 URS sampling (surface soil) grid D5.

1545 EPA gives verbal approval for backfilling Area B tomorrow.

NOTE: EPA is ^{out} in the field and is therefore giving verbal approval to backfill until he is capable of giving written approval.

1710 Compass filling up equipment and switching

126

Location Clarksdale, MSDate 5/17/05Project / Client Red Panther

(cont'd) water tanks. Compass waiting to load out 8th more trucks to Emelle yet today. 2 trucks were taken to Jayx, 14 taken to Tunica.

1730 START working on dailies and photo logs

1855 START leaving site for the day.

Photo Log

ID	Time	D	TB	Subject
0748	SW	LM		Load out at Area D.
0753	NW	LM		Load out at Area B.
0754	NW	LM		Decon at Area B.
0810	N	LM		Mixing backfill with standing water in excavated hole in Area D.
0952	W	LM		Excavation of grid D5
1022	N	LM		Excavation & load out of D-8.
1037	W	LM		Excavation of D-5.
1039	SE	LM		Water pipe leak at D-8.
1132	NE	LM		Leak repair at D-8.
1327	SW	LM		Backfilling at Area D.
1335	N/A	LM		Truck tires on backfill at Area D.

Location Clarksdale, MSDate 5/17/05 127Project / Client Red Panther

Photo Log (cont'd)				
ID	Time	D	TB	Subject
1335	N/A	MV		Truck tires on backfill at Area D.
1336	N/A	MV		" "
1347	W	LM		Excavation of D-8.
1421	NW	LM		Excavated Area B.
1421	W	LM		" "
1444	W	LM		" "
1444	N	LM		" "
1445	NE	LM		" "
1623	SW	LM		Excavation of D-8.
1720	W	LM		Backfill at Area D.

0700 START on site. Trucks are waiting to be loaded out from Area B. Compass is excavating in grid D-8. Weather today: High: 87°, low: 65°, mostly sunny.

0745 Compass loading out trucks from D-8 and receiving backfill in Area D.

0755 Compass loading out arsenic trucks from Area B.

0910 Compass is preparing to filter the tanked water. URS is sampling the water.

1130 Compass continues backfilling Area D and excavating D-8. Compass working with Rain for Rent to hook up filters to water tank.

1230 START leaving site for lunch.

1250 START back on site.

1320 Compass filtering tanked water, excavating at D-8, and prepared to survey backfilled Area D.

1415 Compass is backfilling grid C-1.

NOTE: Sampling results from D7, D9, and D10 were above performance standards and will now need to be excavated.

1615 Compass done excavating for the day but

(Cont'd) Continue to backfill C1 and B5.

1640 START working on dailies and photo log.

NOTE: Compass began excavating the load out road section of D11 and D14.

1715 New Fields informs start that grid C-30 will need more excavation. Material will be stockpiled for TCLP sampling.

1725 START leaving site for the day.

Photo Log

ID	Time	D	IB	Subject
	0748	SW	LM	Excav load out of D8
	0755	NE	LM	Load out of Area B
	0909	NW	LM	Water tank sampling
	1328	SW	LM	Water tank filtration System
	1349	W	LM	Backfilling of C1 and B5
	1435	SE	LM	Excavation of D11 and D14 (load out road)
	1503	N	LM	Backfill at C1
	1617	S	LM	Completed excavation of D8
	1618	SW	LM	Backfilled Area D.
	1623	SE	LM	Backfilling C1 and B5

0700 START on site. Compass loading out trucks from Area B, excavating east portions of D1 and D4, and backfilling grids C1 and B5. —
 Weather today: Afternoon thunder storms, high: 88°, low: 68°, chance of rain: 40%. —

0940 Compass putting liner over grids D11, D12, D13, and D14. Liner is said to be for putting stockpile from Area ~~B~~ (haz. ~~arsenic~~) on for load out. —

NOTE: Compass loaded out 8 trucks to Emelle and 2 trucks to Onyx this morning. Will load out 1 more truck to Emelle today. —

1115 START spoke with START maher about ~~backfill~~ stockpiling ~~excavated~~ material on clean backfill. Maher spoke with URS as well. URS will continue with stockpiling on the clean backfill even though START is concerned with this practice. —

1210 Compass continues to backfill C1 and Area B, and collecting railroad ties and large concrete chunks from grid C-4. —

1245 START leaving site for lunch. —

1310 START back on site. —

1400 URS sampling grid D-8. —
 Compass loading out railroad ties from Area C. —

1415 Compass continues to backfill C1 and Area B and is working with Evans Engineering to survey this area. —

1530 Compass is removing concrete and metal from Area C. Load out of the east section of D1 and D4 is complete. Trachoe is smoothing out excavated area. —
 NOTE: URS sampled the water tank this morning. —

1700 START working on dailies and photo log. Compass is shutting down for the evening. —

1730 START leaving site for the day. —

Location: Clarksdale, MSDate 5/19/05Project / Client: Red PantherPhoto Log

<u>ID</u>	<u>Time</u>	<u>D</u>	<u>TB</u>	<u>Subject</u>
0739	- S -	LM	-	Load out of D11 and D14
1035	- SW -	LM	-	Liner on Area D
1037	- SW -	LM	-	" "
1402	- NW -	LM	-	Sampling of D8
1404	- S -	LM	-	Load out of railroad ties
1409	- E -	LM	-	" "
1522	- NE -	LM	-	Backfill at Area B
1541	- NE -	LM	-	Removal of debris from Area C.

Location: Clarksdale, MSDate 5/20/05Project / Client: Red Panther

0650 START onsite. Weather today: High 90°, low: 64°, 40% chance of thunderstorms.

One truck waiting to be loaded out.

0745 Compass backfilling grids C1, B1, B5 and B6 and removing railroad ties and concrete from Area C.

0815 Compass loading out trucks from Area B.

0900 Compass begins to excavate grid C7. No air monitoring is being performed.

1055 Evans Engineering Surveying backfilling areas in grid B5.

NOTE: Compass loaded out 4 trucks to Emelle this morning, and are checking into getting more trucks today. Load out of Onyx trucks will start again on Sunday.

1330 Compass setting up liner for stockpiling on Area D.

They continue excavating Area C and backfilling Area B.

1500 Compass has stockpile area set up on backfilled Area D and continues backfilling C1 and Area B.

Location Clarksdale, MS Date 5/20/05
 Project / Client Red Panther

- 1515 Sky to the north is getting dark
1530 Starting to sprinkle rain
1600 START working on dailies and photo log.
1710 START McHugh leaving site for the day.
 McHugh will be demoing tomorrow 5/21/05
 and START Maher will be in on Monday
 5/23/05.

Photo Log

ID	Time	D	JB	Subject
0801	SE	LM		Backfill in Area B
0801	E	LM		" "
0903	SE	LM		Excavation of grid C7
1047	N	LM		Excavation of Area C.
1347	N	LM		Liner on Area D
1411	NE	LM		Excavation of Area C.
1412	N	LM		" "
1504	SE	LM		Liner on Area D
1525	SE	LM		Backfilling Area B

(10)

Location Clarksdale, MS Date 5/23/05¹³⁵
 Project / Client RED PANTHER

- 0700 START (+ lunch) ON SITE
0730 BEGAN SITE WALK THROUGH.
 COMPASS LOADING TRUCKS
 FROM STOCK PILE IN AREA B
 GOING TO PORT ARTHUR, TX
 CONTINUING TO BACKFILL
 APPROVED AREAS IN B
 AND C1 & C2
 CONTINUING EXCAVATION OF
 AREA C. LOADING TO TRUCKS
1000 JOHN JOLLY OF WAS ON SITE
 FOR THE WEEK TO PERFORM
 SAMPLING ACTIVITIES. JOHN
 INDICATED THAT WREWER
 GOLDER SHOULD BE ON SITE
 SOMETIME TODAY.
1145 Break for lunch.
1245 RETURNED FROM LUNCH.
1300 REVIEW DAILY REPORTS &
 CORRESPONDENCE FILES TO
 CHECK IF ANY UPDATES ARE
 NEEDED.

JH2

136

Location Clarksdale, MS Date 5/23/05Project / Client Red Panther

- 1310 COMPASS EXCAVATING AREA
D GRIDS 6 & 7 BEHIND
OFFICE BUILDING. ———
- 1630 FINISHED EXCAVATING AREA D
FOR THE DAY. ———
- 1700 FINISHED EXCAVATING AREA C
FOR THE DAY. ———
- 1720 LAST LOAD OF BACKFILL IN
AREA B FOR THE DAY. ———
- 1800 OFF SITE FOR THE DAY. ———

TJ/ME

137

Location Clarksdale, MS Date 5/24/05Project / Client Red Panther

- 0730 START (T.M.H.) ON SITE.
- 0735 BEGIN SITE WALK THROUGH.
TRUCKS (4) WITH BACKFILL
FOR AREA D BEHIND THE
OFFICE ARE STAGED AND
READY TO DUMP. TRUCKS
ARE ON SITE (5) FOR LOADING
OF MATERIAL FROM AREA B.
COMPASS WILL CONTINUE
EXCAVATING AREA B. THE
STOCKPILE WILL BE USED
TO DISPOSE OF WATER
PRESENT IN 10' EXCAVATION
IN GRIDS B6 & B7.
TRUCKS ARE STAGED ALONG
EAST TALL HATCHIE FOR
HAULING MATERIAL FROM
AREA D. ———
- 0930 COMPASS IS SWITCHING BACKFILL
OPERATIONS BETWEEN D5 & 6
AND D11 & 14 TO KEEP
BACKFILL TRUCKS RUNNING.

TJ

TJ/ME

138

Location Clarksdale, MS Date 5/24/05Project / Client RED PANTHER

1030 COMPASS SET UP A SUMP PUMP FOR REMOVING THE CONTAMINATED WATER FROM THE 10' EXCAVATION IN GRID B7. THEY ARE DISCHARGING THE WATER INTO THE CONTAMINATED STOCK PILE FROM AREA B FOR REMOVAL WITH THIS MATERIAL.

1150 BREAK FOR LUNCH

1250 RETURNED FROM LUNCH. COMPASS BEGAN BACKFILLING 10' EXCAVATION IN GRID B7. WORK PROGRESSING ON EXCAVATION OF GRIDS D8 & D9.

1430 JOHN VOLLY OF URS TOOK CONFIRMATION SAMPLE OF GRID D-1.

1500 URS TOOK SAMPLE OF GRID C4 AFTER ADDITIONAL EXCAVATION DUE TO HIGH ANALYTICAL RESULTS. COMPASS IS STOCKPILING MATERIAL FROM AREA C IN AREA D.

1730 OFFSITE FOR THE DAY
TJMB

139

Location Clarksdale, MS Date 5/25/05Project / Client RED PANTHER

0730 START (T. MAYER) ON SITE. COMPASS IS LOADING TRUCKS FROM THE STOCK PILE IN AREA B, EXCAVATING AND DIRECT LOADING FROM AREA D.

0945 STOPPED EXCAVATING AREA D AND BEGAN REMOVING EXCAVATED MATERIAL FROM AREA C INTO STOCKPILE.

1015 MIKE VALLS FROM COMPASS INDICATED THAT THE GAS LINE WAS HIT WHILE WORKING IN AREA C.

1030 CLARKSDALE PUBLIC UTILITIES AND HANOS ON SITE TO INVESTIGATE. HIGH PRESSURE VALVE USED IN REPAIR FROM DAMAGE IN OCTOBER WAS BROKEN.

1150 DEPART FOR LUNCH

1215 DAVID DELANEY INDICATED THAT THE GAS LINE WAS REPAIRED.

TJMB

140

Location Clarksdale MS Date 3/25/05Project / Client RED PANTHER

- 1300 RETURN FROM LUNCH —
- 1340 OBSERVED WATER PERKING UP OUT OF THE GROUND IN GRID 6A BEHIND THE OFFICE. INFORMED MIKE VAHS OF THE PROBLEM.
- 1350 MIKE VAHS EXPOSED 8" PIPE JUST BELOW THE SURFACE OF THE EXCAVATED AREA. ODOOR FROM THE WATER MIGHT INDICATE A SEWER LINE.
- 1530 SEWER LINE WAS EXCAVATED WHERE REPAIRS ARE NECESSARY.
- 1700 COMPASS FINISHING SITE PREP FOR THE DAY.
- 1730 OFF SITE FOR THE DAY

[Handwritten signature]

Location CLARKSDALE, MS Date 5/26/05¹⁴¹Project / Client RED PANTHER

- 0800 START (T. MATHER) ON SITE.
- COMPASS LOADING TRUCKS FROM STOCKPILE IN AREA B.
- STARTED CLEANUP OF EAST TALLHATCHIE AVE.
- 1000 WRECKER GILDED OF NEWFIELDS ARRIVES ON SITE FOR A MEETING WITH THE PRP'S.
- 1045 COMPASS MADE REPAIRS TO BROKEN SEWER LINE BEHIND THE OFFICE. DAVID DELANEY OF CES INDICATED THAT THE OTHER END OF THE PIPE IN GRID D5 WAS PLUGGED — BECAUSE THEY WEREN'T SURE WHAT IT WAS. THIS END OF THE LINE WILL BE UNCOVERED AND REPAIRED.
- 1100 COMPASS BEGAN SECURING THE SITE FOR THE HOLIDAY WEEKEND.
- 1215 MOST OF THE COMPASS CREW DEPARTED FOR THE WEEKEND. 3 REMAIN TO COMPLETE WORK

[Handwritten signature]

CONTENTS

PAGE	REFERENCE	DATE
	EPA OSC STEVE SPURLIN	
	START II TIM MATHER	
	TARA ROWLAND	
	URS BRENT JACOBS	
	MICHEL A. UARD	
	JOHN TOLLY	
	NEW FIELDS WARNER GOLDEN	
	CHARLES RIVERS	
	URS SITE MANAGER	
	DAVID DELANEY	
	COMPASS ENVIRONMENTAL	
	MIKE VMLS	

"Rite in the Rain"
ALL-WEATHER WRITING PAPER



ALL-WEATHER
FIELD BOOK

Name _____

Address CLARKSPALE, MS

Phone _____

Project RED PANTHER
12587.001.002.0155.00

This book is printed on "Rite in the Rain" All-Weather Writing Paper - A unique paper created to shed water and enhance the written image. It is widely used throughout the world for recording critical field data in all kinds of weather. For best results, use a pencil or an all-weather pen.

Specifications for this book:

Page Pattern		Cover Options	
Left Page	Right Page	Polydura Cover	Fabrikoid Cover
Columnar	1/4" Grid	Item No. 350N	Item No. 350NF

CLARKSDALE, MS. 6/1/05

RED PANTHER

2
0800 START II (TMAHER) ON SITE.
NOTE: SITE WAS IN GOOD
SHAPE AFTER THE HOLIDAY
WEEKEND. TARPS WERE STILL
IN PLACE ON STOCK PILES AND
RAIN WATER WAS CONTAINED
ON SITE.

COMPASS LOADING TRUCKS
FROM STOCK PILE IN AREA B
GOING TO EMELLE, AL.

0830 BEGAN SITE WALK THROUGH A
TO CHECK SITE CONDITION
CLOSER.

0900 COMPASS BEGAN EXCAVATING
DITCH IN AREA D. DIRT
LOAD INTO TRUCKS.

1030 MICHEL ALLARD OF UPS
PREPARING TO TAKE SAMPLES
OF GRIDS C5 & C6.

1200 SAMPLES OF GRIDS C5 & C6
WERE TAKEN AND GIVEN TO
MOBILE LAB

1215 DEPART FOR LUNCH

1315 RETURN FROM LUNCH

————— T/M —————

CLARKSDALE, MS

6/1/05

RED PANTHER

3

1330 COMPASS BEGAN EXCAVATING
GRID B14.

1500 COMPASS MAKING A HAUL
ROAD WITH CONTAMINATED
SOIL. SPOKE WITH DAVID
DELANEY AND MIKE VALES
ABOUT CROSS CONTAMINATION.
THEY DISAGREED WITH THE
OPTIONS OFFERED.

1530 ENMIC DRAFTED TO BRENT
JACOBS VOICING CONCERNS
ABOUT THE HAUL ROAD AND
NEW STOCK PILE LOCATION.

1615 COMPASS BEGAN DISCHARGING
TREATED WATER FROM FRAC
TANK INTO SANITARY SEWER.
MICHE ALLARD TOOK SAMPLE
OF DISCHARGE FOR TESTING.

1700 DISCHARGE OF FRAC TANK
COMPLETE.

1730 OFF SITE FOR THE DAY.

————— T/M —————

CLARKSDALE, MS. 2 JUNE 05
RED PANTHER

- 0800 START (T.M.A.H.E.) ON SITE.
COMPASS IS LOADING TRUCKS
FROM STOCKPILE IN AREA B
GOING TO EMELLE, AL. ALSO
LOADING NON-HAZ FROM DITCH
IN AREA D GOING TO TUNICA.
- 0900 RECEIVED A PHONE CALL FROM
STEVE SPURLIN REGARDING
ROAD TO NEW STOCKPILE IN
AREA B. HE WILL CONTACT
BRENT JACOBS AND READ OUT
THE DETAILS OF SAMPLING AND
REMOVAL OF POSSIBLE CROSS
CONTAMINATION
- 0910 COMPASS PUTTING DOWN
WASHED STONE FOR ROAD
TO NEW STOCKPILE. NO
LINER PLACED BENEATH
THE STONE.
- 1200 DEPART FOR LUNCH
- 1245 RETURN FROM LUNCH
- 1330 COMPASS FINISHED WITH
DRAINAGE DITCH IN AREA D
AND NOTED EXCAVATOR TO

T.M.A.H.E.

CLARKSDALE, MS
RED PANTHER

6/2/05

- 1330 GRID D2 TO BEGIN DIRECT
LOADING THIS MATERIAL TO
TUNICA.
- 1545 MICHAEL ALLARD OF URS
QUESTIONED THE EXTENT OF
THE DRAINAGE DITCH EXCAVATION
WHEN ATTEMPTING TO SURVEY
THE SAMPLE POINTS.
- 1630 DRAWINGS INDICATE FURTHER
EXCAVATION IS NECESSARY AT
THE EAST AND WEST END OF
THE DRAINAGE DITCH.
- 1730 OFFSITE FOR THE DAY.

T.M.A.H.E.

6

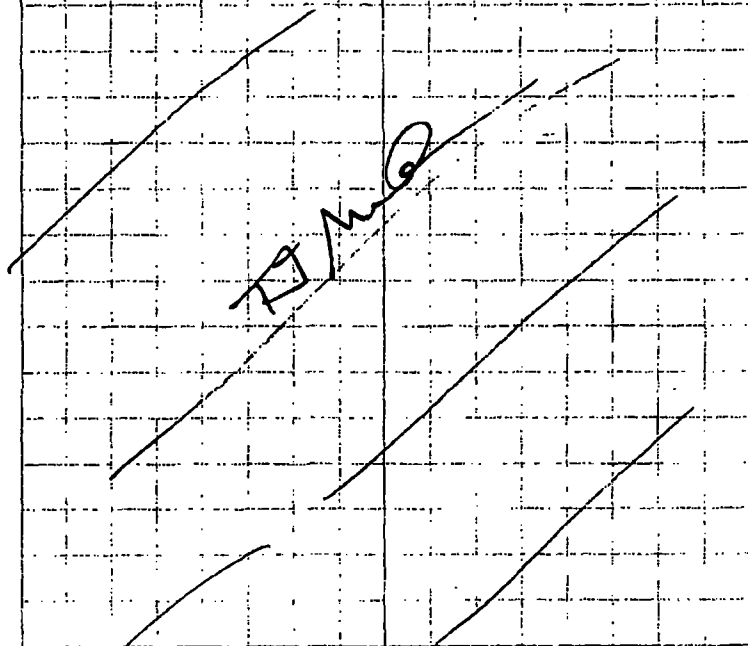
Clarksdale, Ms. 6/3/05
 Rex Amthor

- 0800 START (T.M.H.R.) ON SITE.
 COMPASS LOADING TRUCKS
 FROM STOCKPILE IN AREA B
 GOING TO ENELLE, AL. —
 COMPASS BEGAN CORRECTING
 EXCAVATION OF DRAINAGE
 DITCH IN AREA D.
- 0930 COMPASS THROUGH WITH
 TRUCKS TO ENELLE FOR THE
 DAY. BEGAN DIRECT LOAD
 OF NON-HAZ MATERIAL FROM
 AREA B. (B13, 14 & 15)
- 1000 SENT A SUMMARY OF DATA
 RESULTS FOR D 5, 7, 8, 9
 & 10 AND C3 TO STATE
 SPECIALIST FOR BACKFILL
 APPROVAL.
- 1150 BREAK FOR LUNCH
- 1235 RETURNED FROM LUNCH
- 1330 MICHAEL ALBERT OF CURS
 TOOK TCLP SAMPLES OF
 GRIDS C5 & C6 FOR WASTE
 PROFILING.

— R.M.H. —

Clarksdale, MS 6/3/05 7
 Rex Amthor

- 1545 TRUCKS STOPPED LOADING
 FOR THE DAY, WILL RESUME
 MON AM. COMPASS BEGAN
 SECURING THE SITE FOR
 THE WEEKEND — —
- 1630 COMPASS OFF SITE FOR THE
 WEEKEND.
- 1700 START DEPARTS SITE FOR
 THE WEEKEND.



CLARKSDALE, MS 6/6/05
RED PANTHER

- 8
- 0800 START (T MAYER) ON SITE.
COMPASS LOADING TRUCKS
FROM STOCKPILE IN AREA
B GOING TO EMELLE.
- 0900 BACKFILL OF AREA D
RESUMES.
- 0930 DIRECT LOAD OF MATERIAL
FROM GRIDS D2 & D4 —
CONTINUES
- 1045 COMPASS CONTINUES EXCAVATION
OF DRAINAGE DITCH IN AREA B.
- 1200 DEPART FOR LUNCH
- 1245 RETURNED FROM LUNCH.
- 1430 COMPASS LOADING OUT CONCRETE
AND DEBRIS FROM BUILDING
DEND IN AREA D.
- 1540 MICHEL HARRIS TOOK A
COMPOSITE SAMPLE OF
GRID D17.
- 1615 UPDATED AIR MONITORING
DATA IN EXCEL SPREADSHEET.
- 1730 OFFSITE FOR THE DAY.
- T J M R —————

CLARKSDALE, MS 6/7/05
RED PANTHER

- 9
- 0800 START (T MAYER) ON SITE.
COMPASS LOADING TRUCKS
FROM STOCKPILE IN AREA B
GOING TO EMELLE. WORK
IS CONTINUING ON BACKFILLING
GRIDS D7, 8, 9 & 10.
- 0930 COMPASS LOADING TRUCKS
FROM STOCKPILE IN AREA
D GOING TO FORT ARTHUR, TX.
- 1045 COMPASS DIRECT LOADING
TRUCKS FROM AREA B WITH
SOIL AND DEBRIS GOING TO
TUNICA, MS.
- 1145 DEPART FOR LUNCH
- 1245 RETURNED FROM LUNCH.
- 1330 CHECKED WITH COMPASS
ABOUT COMPACTION TEST
ON FIRST LIFT IN AREA D.
ENGINEER WAS ON SITE
THIS MORNING. THREE
TESTS TAKEN, ALL ABOVE
100% COMPACTION.
- 1500 NOTICED WATER LEAK
IN D8B. SLOW LEAK WILL
- T J M R —————

10

Clarksdale, MS
Red Panther

6/7/05

1500 (over) BE REPAIRED TOMORROW.

1700 DEPART SITE FOR THE DAY

~~TIME~~

Clarksdale, MS
Red Panther

6/8/05 11

0800 START (MATER) ON SITE.

COMPASS LOADING TRUCKS
FROM AREA B STOCK PILE
GOING TO RUSSELL, AL.

0930 COMPASS LOADING CONCRETE
FROM AREA B GOING TO
TUNICA, MS.

1015 COMPASS LOADING TRUCK
FROM AREA B STOCK PILE
GOING TO FORT ARTHUR TR.

1030 GRID B11 PARTIALLY BACKFILL
AND NOT YET TESTED.
COMPASS REMOVING EXCESS
BACKFILL.

1045 CLARKSDALE PUBLIC UTILITIES
ON SITE. GAS LINE PLUG IN
GRID D5 HAS SLOW LEAK.

1210 DEPART FOR LUNCH.

1310 RETURNED FROM LUNCH.

1315 COMPASS HAS WATER
LEAK IN DBB REPAIRED
STARTING REPAIRS TO
SEWER LINE BEHIND
OFFICE BUILDING

~~TIME~~

CLACKSDALE, MS
RED PANTHER

6/8/05

- 1330 ASKED COMPASS TO MOVE MATERIAL TAKEN FROM GRID 11 B. MATERIAL WAS PLACED ON GRID YET TO BE SAMPLED. GRID 11 B IS HALF SUBSURFACE AND HALF SURFACE. THE MATERIAL WAS PLACED WHERE SURFACE SAMPLE WAS NECESSARY.
- 1430 COMPASS BEGAN EXCAVATING SEWER LINE BEHIND OFFICE BUILDINGS TO EFFECT REPAIRS.
- 1730 OFFSITE FOR THE DAY.

[Handwritten signature]

CLACKSDALE, MS
RED PANTHER

6/9/05

0800 START (T.M.H.) ON SITE. COMPASS IS LOADING TRUCKS FROM STOCKPILE IN AREA B GOING TO ENGLE, AL. WORK CONTINUING ON SEWER LINE REPAIR.

0900 GRID A4 ANALYTICAL CAME BACK HOT SO THE SEWER LINE WAS CLEARED TO THE STORAGE BUILDING ON THE WEST SIDE OF THE PROPERTY.

NOTE: DAVID DELANEY WANTED TO LEAVE A 1 FOOT SHELF OF CONTAMINATED MATERIAL UNDER THE SEWER LINE. HE WAS TOLD THIS IS NOT ACCEPTABLE. BRENT TRESS WAS CALLED BUT CURRENTLY UNAVAILABLE TO ADDRESS THIS ISSUE.

0920 FIRST TRUCK GOING TO PORT ARTHUR LOADED OUT OF AREA D.

[Handwritten signature]

14

Clarksdale, MS.

RED PANTHER

6/9/05

- 1140 SECOND TRUCK GOING TO
FORT ARTHUR TR. LOADED
FROM AREA D STOCKPILE.
NOTE: MARK LA ROUE WAS
CONTACTED ABOUT EXCAVATOR
BEING TRACKED FROM A
HAZARDOUS AREA TO A
CLEAN AREA WITHOUT BEING
DECOMED. HE INDICATED
HE WOULD HAVE A MEETING
WITH HIS CREW TO PREVENT
THIS FROM OCCURRING AGAIN.
- 1220 DEPART FOR LUNCH
- 1320 RETURN FROM LUNCH
- 1330 COMPASS PUMPING WATER
OUT OF GRID C3 (STARTED
IN THE MORNING.)
- 1415 LIGHTNING FROM PASSING
THUNDERSTORM SUSPENDED
SITE ACTIVITIES.
- 1545 WORK RESUMED ON REPAIRS
TO SEWER LINE.
- 1815 OFF SITE FOR THE DAY

T.M.P.

Clarksdale, MS

RED PANTHER

6/10/05¹⁵

- 0830 START (LUNCH) ON SITE.
COMPASS IS LOADING TRUCKS
FROM STOCKPILE IN AREA B
GOING TO EUREKA, AL. —
CONTINUING TO BACKFILL
AREA WHERE SEPTIC LINE
HAS BEEN REPAIRED, BUT
NOT COMPLETED.
- 0900 COMPASS BEGINS TO BACKFILL
DITCH AT SOUTH END OF
AREA D.
- 1015 COMPASS BEGAN EXCAVATING
GRID D4 IN ADDITIONAL
FOOT PER DEWFIELD'S
- 1230 BREAK FOR LUNCH
- 1315 RETURN FROM LUNCH.
- 1330 COMPASS OPERATOR (BB)
INDICATED THAT THE SEWER
LINE WOULD BE LEFT OPEN
UNTIL EXCAVATION IS D4
WAS COMPLETE. SPOKE WITH
MICHAEL ALLRED (UES) AND
MARK LA ROUE (COMPASS). THE
SEWER LINE REPAIRS WILL

T.M.P.

CLARKSDALE, MS.

RED ANTHONY

6/10/05

1330 (cont) BE COMPLETED BEFORE THE
SITE IS SECURED FOR THE
WEEKENDS

1540 REPAIRS TO SEWER LINE
COMPLETED.

1600 COMPASS STILL WORKING ON
SOUTH DITCH AREA D
BACKFILL. (ONLY 1 TRUCK)
BEGIN SECURING SITE FOR
THE WEEKENDS.

1630 START (TUMBLE) OFF SITE FOR
THE WEEKENDS. COMPASS
STILL WORKING.

06/13/05¹⁷

0900 - START-2 (ROWLAND) onsite

Begin printing the results and
reviewing recent activities.

1000 - Rowland out onsite noting
that there appears to be
no decon area on the South
side of site. There is dust
suppression ongoing. Compass
needs to make certain:

1. Every truck departing the site
gets deconned.
2. Know exactly where to evaluate
and not guess where to start
& how deep to go.

1100 - Compass began to excavate
the Area in "C" to approx.
4 ft. From (2-4) the
soil is going to Tunica

1210 - break for lunch.

1310 - lunch break complete.

1325 - Compass is continuing to
excavate the Area "C" &
"B"

1425 - The last non-heavy truck

(Mon) 06/13/05

arrives onsite to pick up soil from Area "C". Mike Vails (Compass) informed his crew that they can get off work once the loading of this last truck is complete.

1510 - Compass began to depart the site.

Rowland continues to work on daily
1600 - Dave Delaney (MRP) comes by the office and asks how everyone left for the day & Rowland replies "yes" & Delaney asks well how is Rowland gonna lock the door & Rowland states that Mike Vails (Compass) showed her where the security guard keys were & he said that I didn't have to stay until the security guard got there that I could leave whenever I got ready, it would be "OK to leave the door unlocked." Rowland informed Delaney of such and his response was "What kind of sense does that

06/13/05 (Mon)¹⁹

make and Rowland replied "I am just telling you what Mike told me & you can call him and ask him." Delaney response was "What kind of sense does that make." Rowland's response was "I am just telling you what they told me." Delaney response was "Well pack shit & let's go." Rowland didn't think that that kind of language was appropriate but just decided to let it go. So Rowland went to the room and decided to try to complete some work.

~~1615~~¹⁶¹⁵ Rowland departs site for hotel.

1625 - Rowland arrives at hotel. Beggs begins to work on daily.

1730 - work completed will finish tomorrow.

Jared Rowland

End of Day

(Tues. 06/14/05)

0815 - START-2 (ROWLAND) arrives on site.

Compass is excavating soil in Area "C" 5' x 8'.

0845 - Hertz arrives to put the straight edge metal plate on the end of the excavator. Welding.

1020 - Hertz has completed the welding of the straight to the excavator.

1000 - Compass began excavating B11. Loading out for waste disposal in Tunisia.

Area "C" 4 - 4 Grid 2 - 4 ft

While out the Compass began excavating one foot off B11.

11:00 - Brent Jacobs (URS) & Warren Golden (NEWFIELDS) arrive. Brent informs Rowland that the lab needed a part that won't be here until tomorrow for arsenic analysis.

1215 - Rowland takes lunch break.

1315 - lunch break over.

1330 - Compass is still watering down the roads, & loading out Area "C".

Tues. 06/14/05²¹

1440 - Brent Jacobs (URS) began sampling Grid D2. Brent said they should be sending results out sometime today. Brent also indicated that he will be sampling C7 - C4 today. Brent remains hopeful that he will be able to get a backfill request for C & D this week & maybe B the next. Brent & David indicated that there was no tank between D2 & D4. Brent indicated that he had received ^{the} the water sample collected last week.

1515 - Compass has departed the site.

1520 - Brent collected the sample from Area "C".

1730 - Depart site.

~~Jana Rowland~~

End of Day

Wed. 06/15/05

0800 - Rowland arrives onsite.

Compass is excavating the rest of C4 grids
is loading the soil from stockpile B.

0915 - The PRPs begin to arrive for a

- onsite meeting with URS & NEWFIELD

1100 Compass has reduced their work

force by 1 person, so incorrectly they
have 4 field people.Compass is now excavating GRID 14B
Alignments 14B & 14C.Compass was also able to find
a company to take the soil from
the "D" stockpile going to Port
Arthur, TX. The trucking company
is called STRANCO.

URS (DD) sampled Grid 4C.

1230 - Rowland breaks for lunch PRP meeting over

1330 - Lunch break complete

Company is excavating Grid 15B, dust
suppression, marking grids
edges off.

1500 - Compass off site.

1700 - START-2 Rowland off site.

Jana P. Lal
end of Day

Thurs. 06/16/05²³

0830 - START-2 onsite.

Compass is loading trucks with soil
going to Emelle, AL & Turica, MS.

0915 - Clarkdale Public Utilities is onsite

to fix a water line that was broken
yesterday afternoon. Only a little water
got out.0930 - Compass is rearranging stockpile in
Area "G", reeling an excavator.0915 - ^(BB) Compass is now continuing to excavate
B15.0930 - Both excavators are now excavating
grids in the "B" Area.1100 - Compass is still excavating the grids
in the "B" Area.Took pictures of white arsenic stuff
left out in Area "B".

B14 Materials Toxaphene

B14 - White material (began removal)

91A - BBA 12A & 12B

B3 - Sampled this week ^{next} ~~is next~~

1245 - Break for lunch

1315 - Lunch break over

Compass is continuing excavate B15.

(Thurs.) 06/16/05

1340 - URS arrives to collect samples from
B4 & C8 B-PA B-12 & B

* B11 & B14 - will fail (soil looks)

Still to sample B3 & B15.

Compass has stockpiled all the visual arsenic contamination in Area "B". URS (DD) is suppose to check behind Compass to make sure all of visual is gone. There is one small stockpile of soil that has a green tint to it, that Compass & URS have noted to be Toxaphene. This soil will be transported from Area "B" to Area "D" stockpile.

This pile really smells.

1400 - URS have collected the samples into the bags & will now go to the office to mix them up. Brent Jacobs says that he will be leaving this afternoon to return on Friday. Monday. BJ said that the results should be back on Friday.

1452 - URS received the results for B-11
B-14 still for Arsenic.

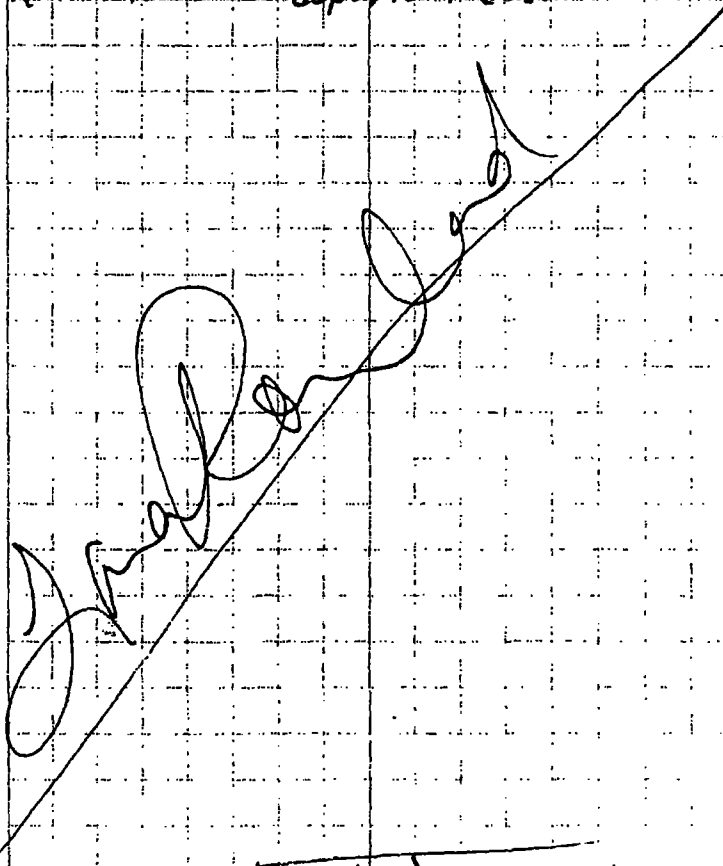
1500 URS began the Compass began

06/16/05

departing the site.

1545 - Compass had (2) workers arrive to wait on one of the trucks to load out for Port Arthur, TX.

1630 - Rowland departs the site.



End of Day

(FRI. 06/17/05)

0800 - START-2 (ROWLAND) onsite.

Compass is in the process loading trucks of soil from B15.

0930 - Compass takes the greenish-gold colored soil from "B" to "D" stockpile.

- Compass is taking the smaller excavator to the decon pad to decon it b/c Hertz is suppose to pick it up today.

- Compass is trying repair a door on the bldg next to Area "D".

1020 - Two (2) trucks arrive to load soils to be transported to Port Arthur, TX.

1100 - Compass comes back to work on the door.

1200 - Rain sprinkles begin to fall.
- BB is sent home today because Compass don't have much work to do, most of the excavation is complete.1400 - 2 ~~more~~ members of Compass staff depart the site.

1500 - Compass & Weston depart site. Rowland heads to hotel to finish

FRI. 06/17/05

daily report & send out email.

1500 - Rowland completes report & sends out email.

Rowland

John

ad of Dug

06/20/05 MONDAY

0800- START-2 (ROWLAND) onsite:

- Compass loading trucks out are in the process of backfilling Area "C"
 - The 200LC has been decaned and is awaiting pick up.
 - Compass has repaired the door on the bldg.
 - One of the trucks going to Post Arthur was too heavy, so the driver had to turn back around to offload some of the soil.
 - Backfill is being dumped in "c"
 - Ben Rodgers is now doing manifests & Russ will be using the dozer to push the back fill in. Mike Vails is doing it temporarily.
 - Compass is excavating a foot off of B11 + B14
 - Backfill trucks appear to be coming every 20 mins, 2 trucks at a time
- 0930 - Russ is now backfilling.
Dust suppression begins.
- 1030- Brent Jacobs arrives, Warren Golden arrives @ 20 mins.

(06/20/05 MONDAY)

before hand

- 1130- Brent Jacobs, WG, OD, & TR head out the area "B" to collect samples from B-15, Surface sample from triangle soil near B15, awaiting to collect sample from B11, & still need to clean up B3 more before it is ready to sample.
- 1300- Breaks for lunch.
- 1400- Lunch break over.
- 1445- BJ & WG measure ditch in front of Admin building.
- 1500- Compass is loading trucks for Enelle & Tunica (next) & backfilling in Area "c" B11 & B14 (debris, plastic)
- 1730- Compass departs the site.
- 1800 - Received results from Lab about Grid B11 & B15.
- 1900 - Brent has sampled B15 Ditch 1 & is in the process of sampling Ditch 2 (getting the rest laid out)
- 6- Enelle 8- Tunica 1- Post Arthur
- 19:15 - START-2 offsite.

James Rowland

06/21/05 TUESDAY

0800 - START-2 (Rowland) onsite.

- Compass is loading out several trucks to Enelle. 2 are awaiting to be loaded to Port Arthur.

- Compass continues to backfill.

- BJ & WG are sampling DITCH 3.

- Yesterday BJ was still onsite @ 1815 sampling DITCH 2.

0925 - Compass begins to load the Port Arthur trucks.

- Will suggest to BJ to make sure that Compass does a surface scrape to make sure no contaminated soil is lying around.

1030 - Ditch sampling is complete. Are awaiting the results.

1200 - As of now Compass has had (2) Tunica, (1) Enelle, (2) Port Arthur.

1245 - Rowland breaks for lunch.

135 - Rowland returns from lunch.

- Compass is scraping the bottoms of Grid B2 & B3.

- Brent & Warner Sample B12.

- Compass (R & K) continues with the backfilling & roll compacting of Area 'C'.

06/21/05 Tuesday

1520 - Two more trucks arrive.

for non-haz soil to go to Tunica. Compass is still backfilling.

- Brent Jacobs (URS) Departs site for the week.

1646 - Compass is still onsite doing dust suppression and backfilling. Compass is still cleaning up grid B-3 of any of the straggling soil.

Compass began lift part of B14. Warner will sample B3, 1/2 B13, & 1/2 B14 tomorrow.

1730 - Compass offsite.

1740 - Warner Golden

1750 - Rowland departs site for hotel.

John R. [Signature]

end of Day

(Wednesday 04/22/05)

0800 - START-2 (Rowland) onsite. Company is in the process of loading trucks and back filling Area C.

- (AM) is loading out Port Arthur, Emelle and Tunica trucks while

- KS is doing dust suppression & backfill compaction.

- RD is dozing the backfill in Area "C"

- BR is doing weight station / manifest & onsite air monitoring.

1100 - Det + Ditch results are in. It appears that Company will be excavating part of Ditch 1 & Ditch 3 & 4.

1230 - WG departs the site. He has sampled B3 & B14.

1400 - Mike Vails & Kevin S. come to stake at the ditches

1440 - Company (RD & AM) are still back filling Area "C"

1500 - Mike Vails begins excavate DITCH 1

1600 - Mike Vails clips on old gas line that is no longer in use. The gas company comes out.

Wed 04/22/05³³

Dave Delaney approaches Rowland about the culverts in Ditches 3 & 4.

Dave wants to know do or if they should take the culverts up or will Steve allow them to leave them in place b/c he said there isn't anything in them. I told him that I would check with Steve.

1700 - Rowland calls Steve about the culverts & Steve says that he wants to know:

1. Measurements
2. How much sediment is in each of them

Steve said that he had considered leaving them in place if they could clean them out.

Rowland informed Steve that she would let him know the information that he requested.

1745 - Company offsite.

1835 - Rowland offsite.

Jon R. [Signature] end of day

(THURSDAY 06/23/05)

- 0830 - START-2 ROWLAND ~~site~~.
- ~ Compass (MV) is continuing to excavate DITCH 1, & loading trucks to Emelle.
- 0930 - Compass will begin re-excavating B-3. DD has staked his sample points. ~~At the~~ MV is awaiting the arrival of Tunica non-haz trucks.
- 0945 - Compass began loading out non-haz soil from the DITCH 1 with Tunica trucks.
- 1030 - David just took a sample from DITCH 1 @ 6'.
- David Delany also informed ROWLAND that if the city had a sewer cleaner then it would be fine to use that to clean the culvert but otherwise they would have to take the culverts out, especially the 60' one.
- Compass has begun to excavate the backfill area "D" behind the Admin Bldg.
- 1500 - Compass awaited the second round of Tunica trucks.

(THURSDAY 06/23/05)

- 1330 - An Emelle truck arrived onsite.
- 1345 - Trucks for Tunica arrive.
- 1600 - Compass is surveying the site.
- Evans Engineering
- Compass is also scraping the rest of the stockpile in "B".
- Compass is still backfilling "D".
- Compass will not be loading any more trucks for the day.
- 1627 Backfill is still being unloaded.
- 1650 - Compass begins to depart.
- 1700 - START-2 (ROWLAND) offsite.

John Rowland

end of Day

(FRIDAY 06/24/05)

- 08 - START-2 (Rowland) onsite
- Compass is currently loading trucks for Tunica & accepting backfill.
 - Compass has lifted the liner from under stockpile "B" & scraped across it.
- 1100 - Dave Delaney comes to sample under the former stockpile.
- Compass is in the process of backfilling "B".
 - Compass may have one truck load left to go to Emelle.
 - Dave Delaney of URS said that @ 1700/1730 yesterday Steve Spurlin gave a verbal ok for backfilling of "B". He also said that that is when Steve said dig 1ft deeper on 63-Dalignot. Dave Delaney said that Compass had taken the one foot out (I saw it) and has sampled.
- 1120 - Compass begins to load out soil DITCH 1.
- 1400 - Compass is still backfilling

06/24/05 37

Area "B"

1430 - Compass will not be excavating any more today, but will continue to backfill Area "B". (Compass will depart 1500)

START-2 (Rowland) departs site for the day.

John Rowland

End of Day

6/27/05

0930 START # (T. MAHER) ON SITE
 COMPASS HAS DITCH 1 EXCAVATED
 AND IS BEGINNING EXCAVATION
 OF DITCH 2. DATA FROM DITCH
 2 INDICATED NO EXCAVATION
 WAS NECESSARY IN THIS AREA.
 BACKFILL OPERATIONS IN
 AREA B ARE CONTINUING.
 PART OF STOCKPILE IN 3
 WAS TAKEN DOWN 6" TO
 INSURE ANY CONTAMINATION
 WAS REMOVED. DAVID DELANEY
 TOOK COMPOSITE SAMPLE
 (UES) FOR ANALYSIS.

1200 BREAK FOR LUNCH

1300 RETURNED FROM LUNCH

1330 CLARKSMITH PUBLIC UTILITIES
 ON SITE WITH A SEWER
 CLEANER TO CLEAN OUT
 CULVERTS IN DITCHES 3 & 4.

1500 LAST TRUCK GOING TO TUNICA
 LOADED FOR THE DAY.
 2 TRUCKS TO BARRILLE IL.
 & 12 TRUCKS TO TUNICA

T. MAHER

6/27/05

1315 TRUCK TO MIKE VALES
 OF COMPASS ABOUT
 REMAINING MATERIAL IN
 AREA B AND STOCKPILE
 IN AREA D. THIS MATERIAL
 WILL BE HAULED OFF AS
 SOON AS TRUCKS ARE
 AVAILABLE (AREA B SHOULD
 BE BY WEEK'S END).
 LINE UNDER AREA D
 STOCKPILE TO TUNICA AS
 NOW-HAS TOP 6" OF MATERIAL
 UNDER STOCKPILE TO PORT
 ARTHUR, TX PER BRENT
 JACOBS OF URS.

1400 DAVID DELANEY SAMPLED
 D4-SC1 & D4-SC2 FOR
 SUBSURFACE ANALYSIS.

TH 1530 ~~START OFF SITE FOR THE~~
 DAY COMPASS FINISHED
 FOR THE DAY.

1700 START OFF SITE FOR
 THE DAY.

T. MAHER

6/28/05

- 0800 START II (TURNER OFFSITE)
COMPASS IS LOADING MATERIAL
FROM DITCH 4 GOING TO TUNICA
- 0900 COMPASS BEHIND EXCAVATION
OF DITCH 3
- 0945 SPOKE WITH BRETT JACOBS
OF URS. HAD QUESTIONS ABOUT
BACKFILL AUTHORIZATION IN
AREA B. TOLD COMPASS
TO CONTINUE BACKFILL
OPERATIONS AFTER REVIEWING
DATA AND REQUEST THAT
BACKFILL REQUESTS BE
UPDATED BY CLOSE OF
BUSINESS TODAY.
- 1000 ANALYTICAL SPLIT CAME
BACK FROM OFFSITE LAB.
LARGE DISCREPANCY BETWEEN
OFFSITE RESULTS FOR
GRID B-2. GRID IS TO BE
EXCAVATED AN ADDITIONAL
FOOT, RESAMPLED AND ANOTHER
SPLIT SAMPLE SENT FOR
ANALYSIS.

TJMA

6/28/05

- 1145 COMPASS FINISHED LOADING
MATERIAL FROM DITCH 3.
SEWER LINE WAS ENCOUNTERED
AND DAMAGED. COMPASS
INDICATED THAT REPAIRS
WOULD BE MADE TODAY.
- 1200 BREAK FOR LUNCH.
- 1300 RETURN FROM LUNCH.
COMPASS WORKING ON
GRID B-2 EXCAVATION.
- 1545 COMPASS FINISHED LOADING
TRUCKS GOING TO TUNICA.
EXCAVATION OF GRID B-2
IS COMPLETE BUT THERE IS
STILL SOME SOIL REMAINING
TO BE LOADED OUT. MICHEL
ALREADY OF URS SAMPLED
GRID B-2 FOR ON SITE AND
SPLIT ANALYTICAL.
- 1700 COMPASS IS PUTTING CAUTION
TAPE AROUND DITCHES 1, 3 & 4
- 1730 OFFSITE FOR THE DAY

TJMA

6/29/05

0800 START II (T.MAYER) ON SITE.
 COMPASS IS LOADING OUT THE
 REMINDER OF THE MATERIAL
 FROM GRID B-2. BACKFILLING
 OF EXCAVATED AREAS IN B
 ARE CONTINUING. ———→
 JASON WARR OF EVANS -
 ENGINEERING IS ON SITE TO
 PERFORM COMPACTION TESTING
 ON BACKFILL OPERATIONS IN
 AREA B.

0900 REVIEWED SAMPLE DATA FROM
 DITCHES 1, 3 & 4. DATA CAME
 BACK BELOW PERFORMANCE
 STANDARDS. CALLED STEVE
 SPURLIN FOR OK TO BACKFILL.
 STEVE WAS UNAVAILABLE.
 T. MAYER GAVE COMPASS OK
 TO BACKFILL DITCHES SO THEY
 MIGHT BE DONE BEFORE THE
 LONG WEEKEND. ———→

1200 BREAK FOR LUNCH ———→

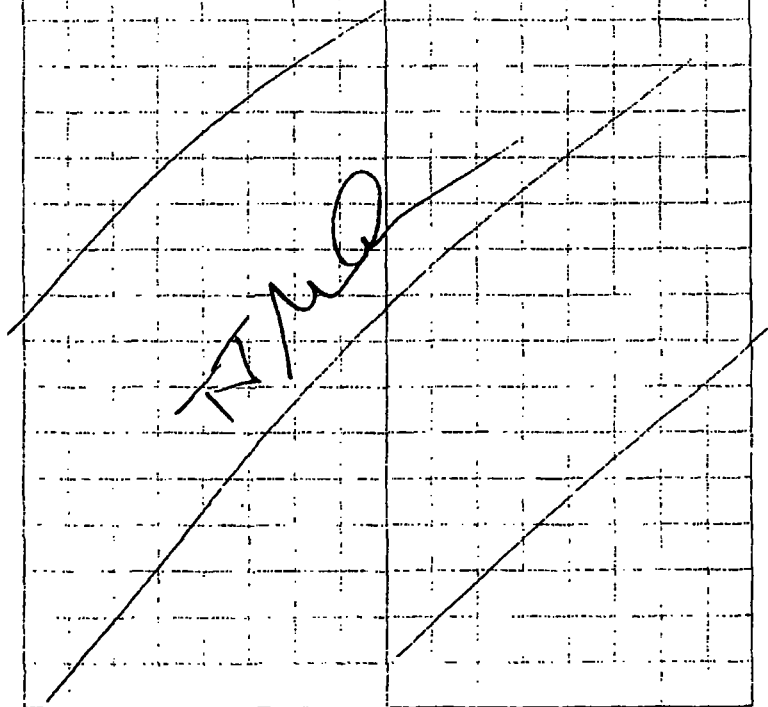
1300 RETURNED FROM LUNCH. ———→

STEVE SPURLIN AND ———→

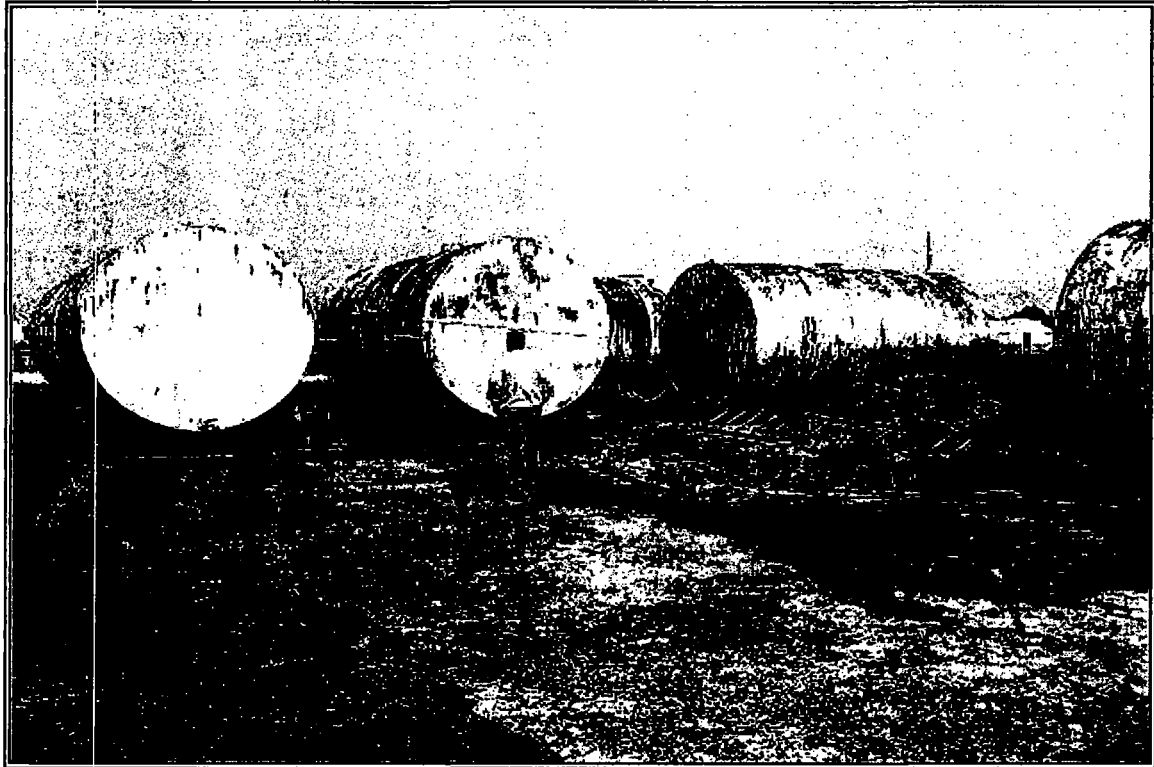
————— T.Mayer ———→

6/29/05

CHERYL CARBONARO ON SITE
 FOR SITE INSPECTION AND
 PUBLIC RELATIONS.
 1430 T.MAYER OFF SITE FOR
 HOLIDAY. COMPASS CONTINUED
 TO BACKFILL. MOBILE LAB &
 GRS DEMOBING EQUIPMENT.



APPENDIX C
Photographic Log



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 1**

Subject: Aboveground Chemical Storage Tanks in Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: October 4, 2004 **Orientation:** North

Photographer: Timothy Maher, START-2 **Witness:** David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 2**

Subject: Tank end removal to access residual material and decontaminate.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

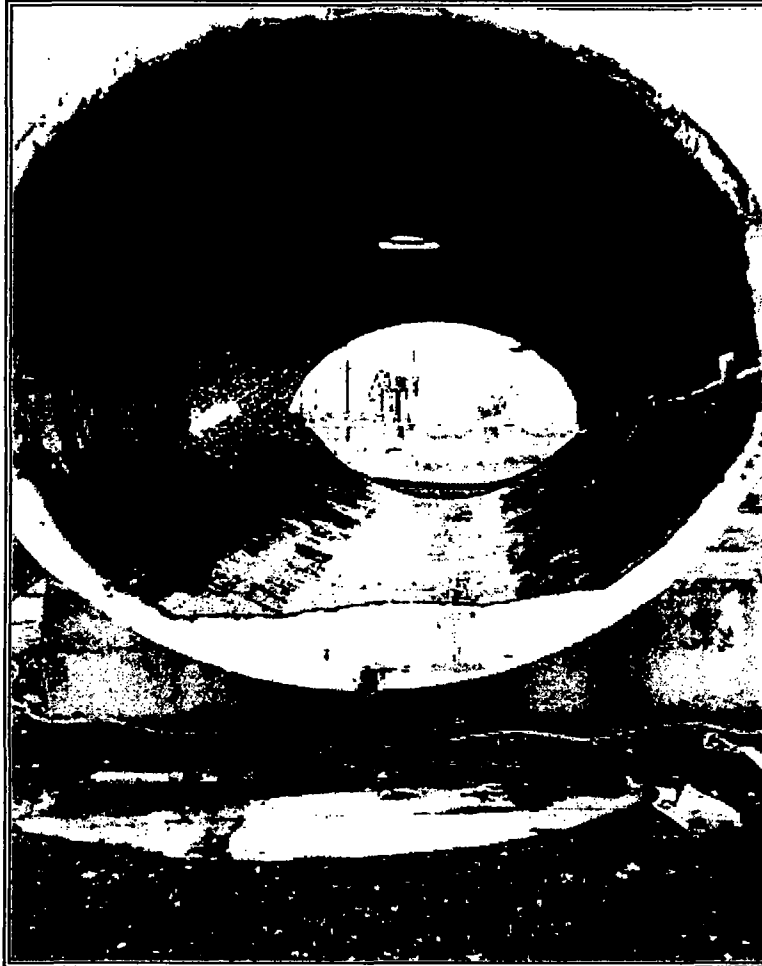
Date: October 6, 2004

Orientation: West

Photographer: Timothy Maher, START-2

Witness: David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 3**

Subject: Demolition progress after triple-rinse decontamination .

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

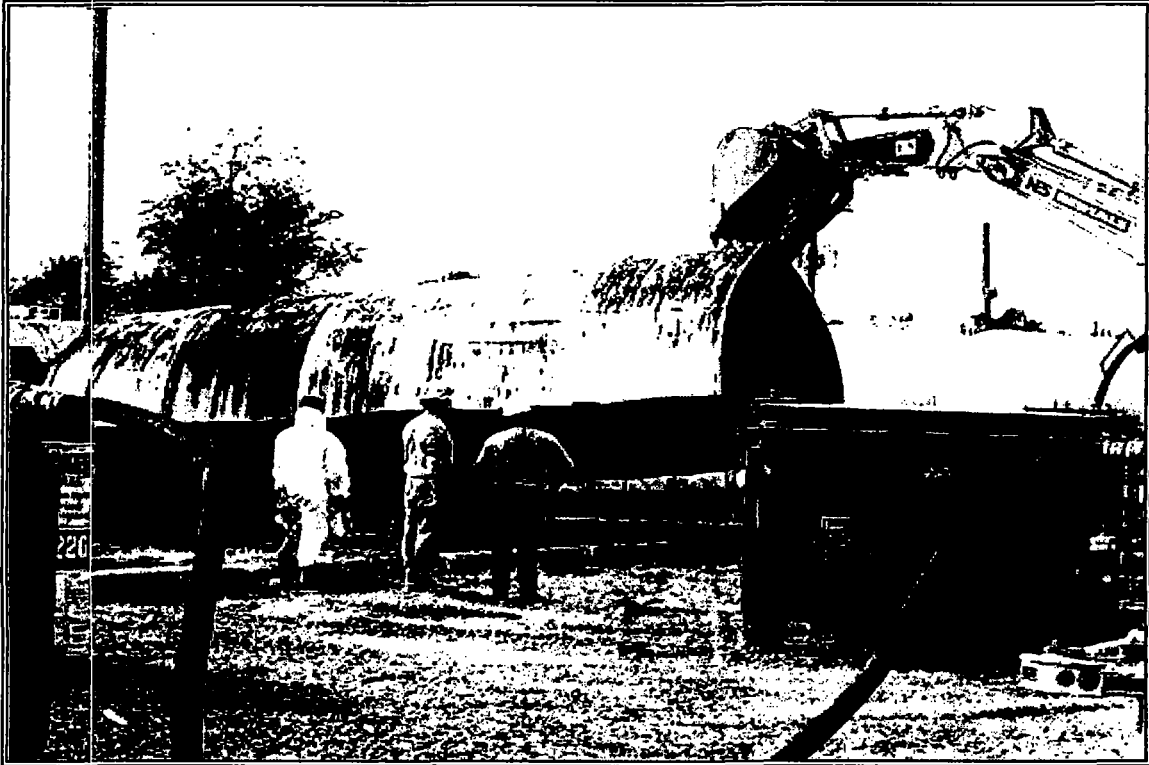
Date: December 8, 2004

Orientation: North

Photographer: Timothy Maher, START-2

Witness: David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 4**

Subject: Aboveground chemical storage tank cut in half.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: October 7, 2004

Orientation: Northwest

Photographer: Timothy Maher, START-2

Witness: Watty Campbell, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 5**

Subject: Folding of storage tank halves for shipment to the scrap yard.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

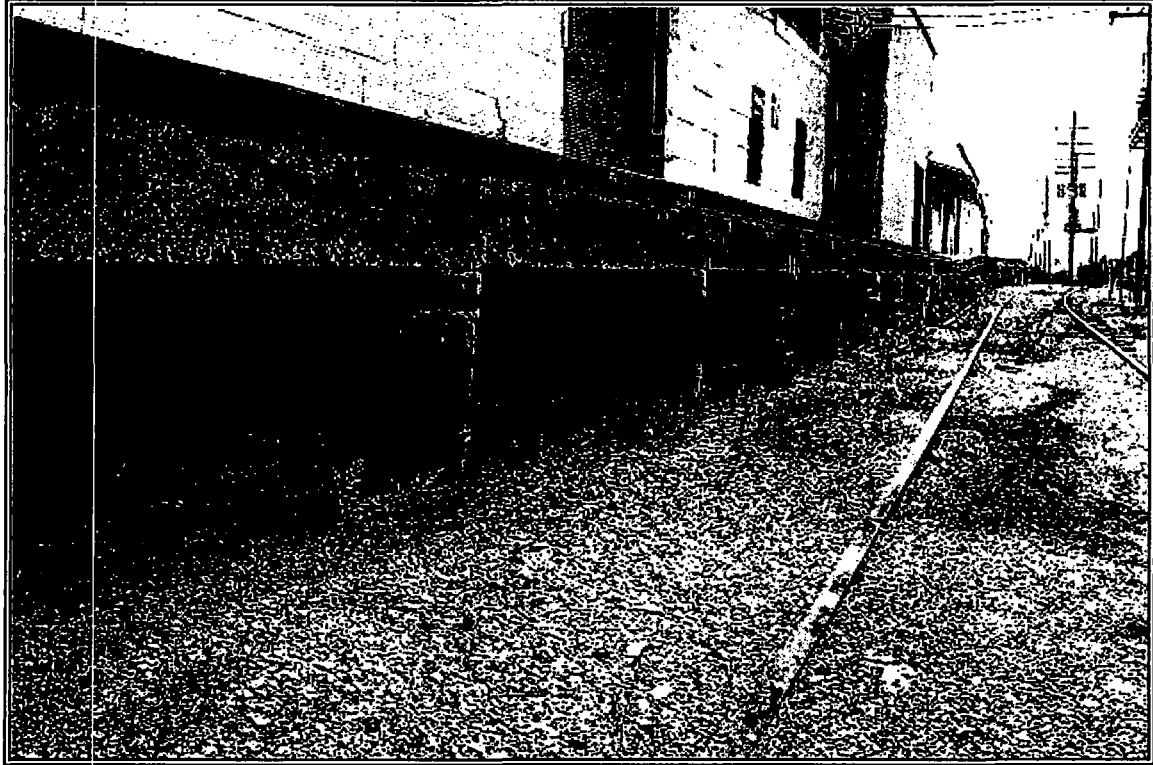
Date: October 7, 2004

Orientation: Northwest

Photographer: Timothy Maher, START-2

Witness: Watty Campbell, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 6**

Subject: Loading dock and rail spur in Area C.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: October 4, 2004

Orientation: South

Photographer: Timothy Maher, START-2

Witness: David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 7**

Subject: Removal of loading dock in Area C.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

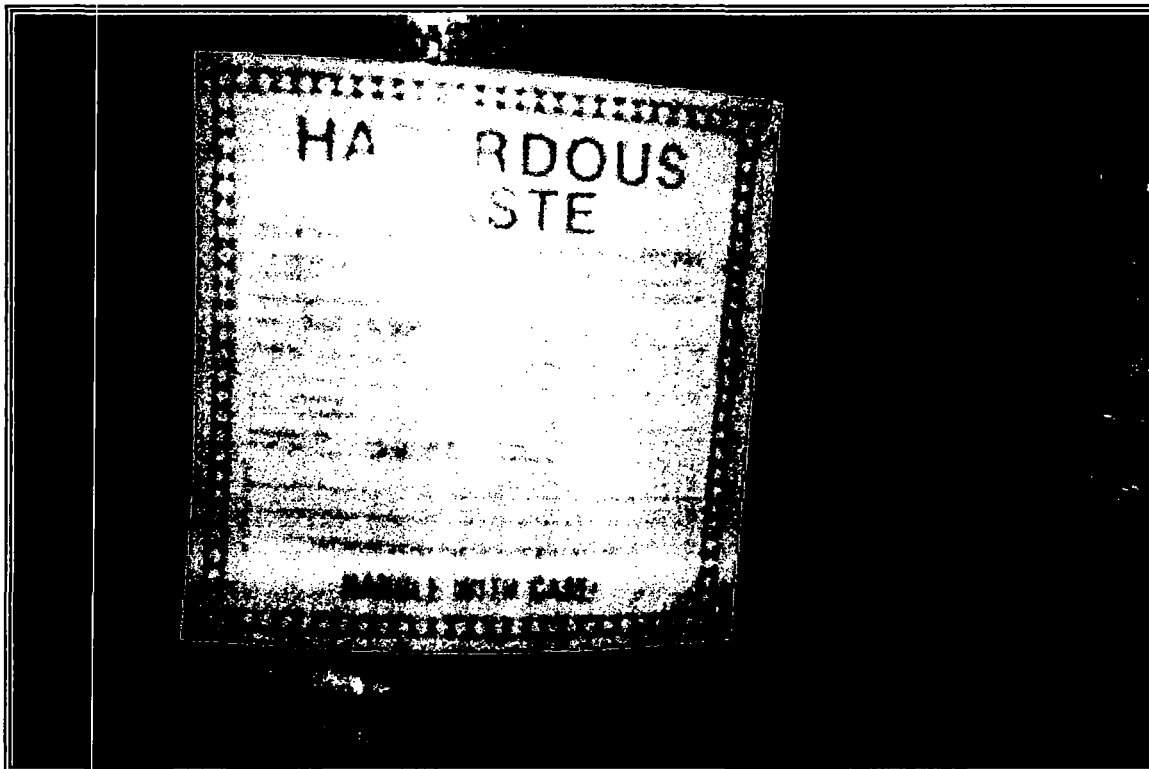
Date: November 5, 2004

Orientation: North

Photographer: Timothy Maher, START-2

Witness: Charles Ivey, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 8**

Subject: Hazardous Waste label on drum containing contents of AST 8.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: December 8, 2004 **Orientation:** Northwest

Photographer: Timothy Maher, START-2 **Witness:** David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 9**

Subject: Vacuum box for rinsate water from decontamination.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

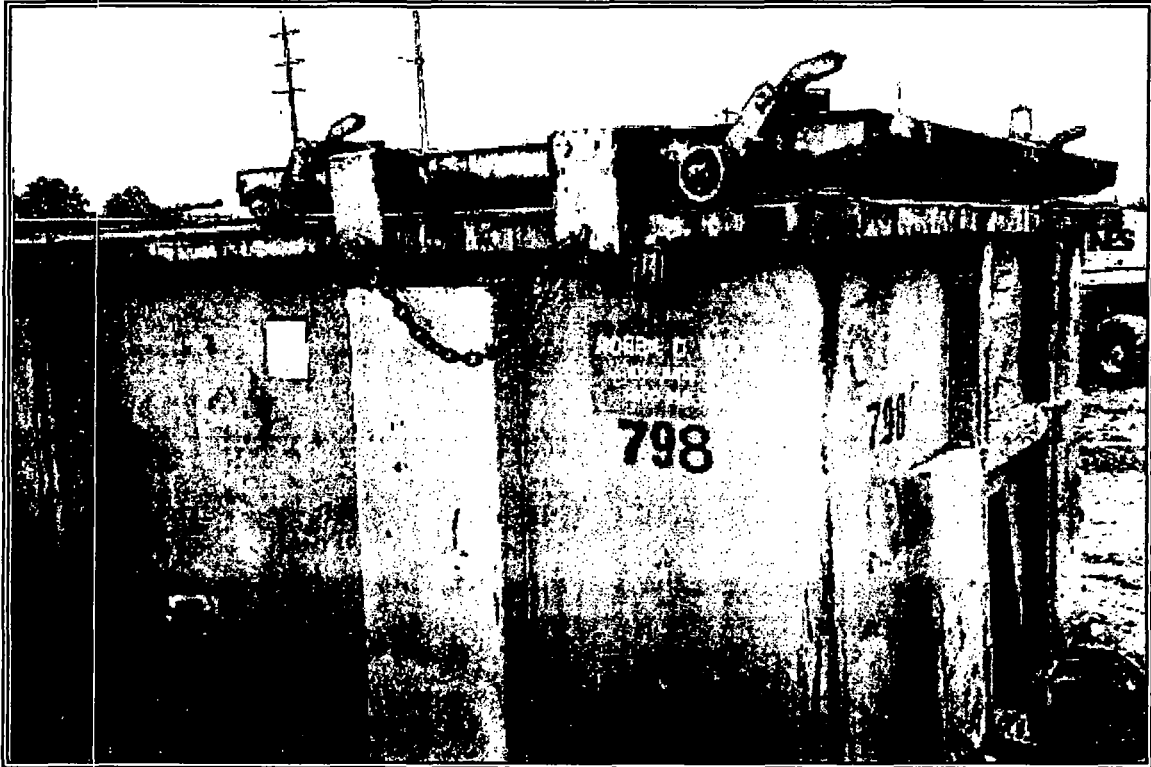
Date: December 8, 2004

Orientation: Northwest

Photographer: Timothy Maher, START-2

Witness: David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 10**

Subject: Sludge box for residual material removed from storage tanks.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: December 8, 2004

Orientation: Northwest

Photographer: Timothy Maher, START-2

Witness: David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 11**

Subject: Breeze-way from Area C to Area D under metal storage building.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

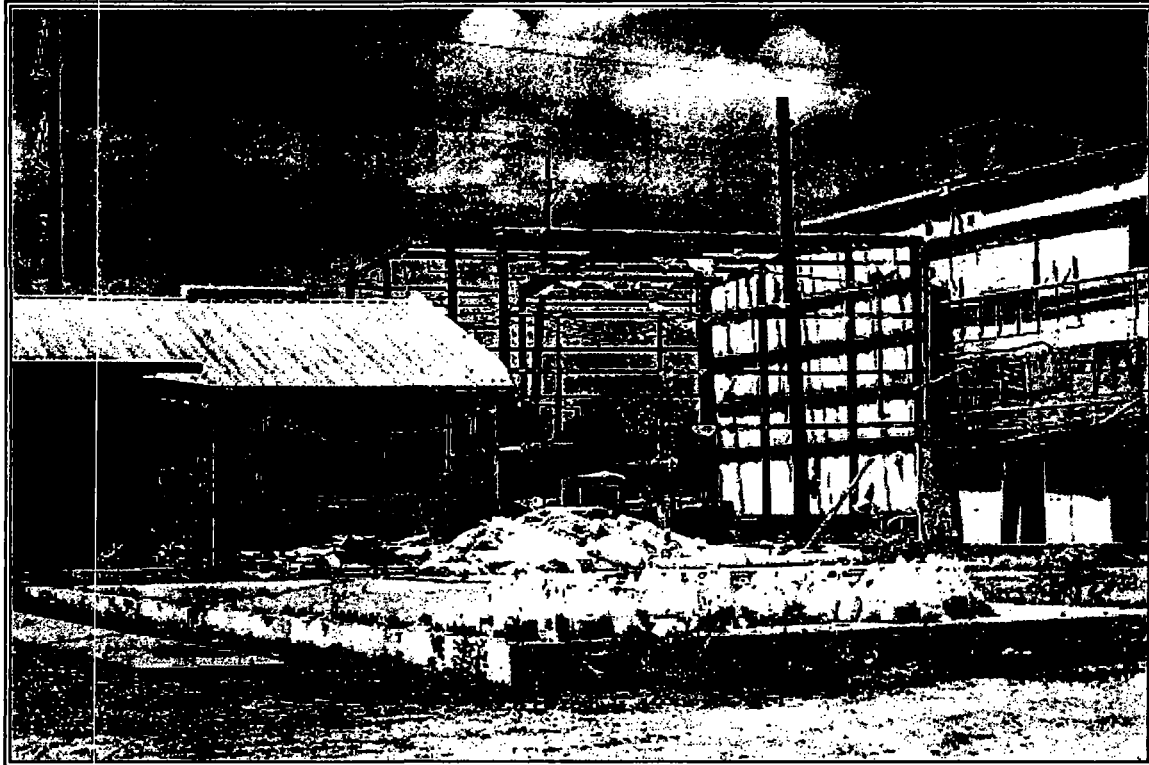
Date: October 4, 2004

Orientation: East

Photographer: Timothy Maher, START-2

Witness: David Brooks, HEPACO

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 12**

Subject: Demolition of metal storage building above the breeze-way.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: April 21, 2005

Orientation: West

Photographer: Timothy Maher, START-2

Witness: Brent Jacobs, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 13**

Subject: Perimeter security fence at west side of East Tallahatchie Street.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

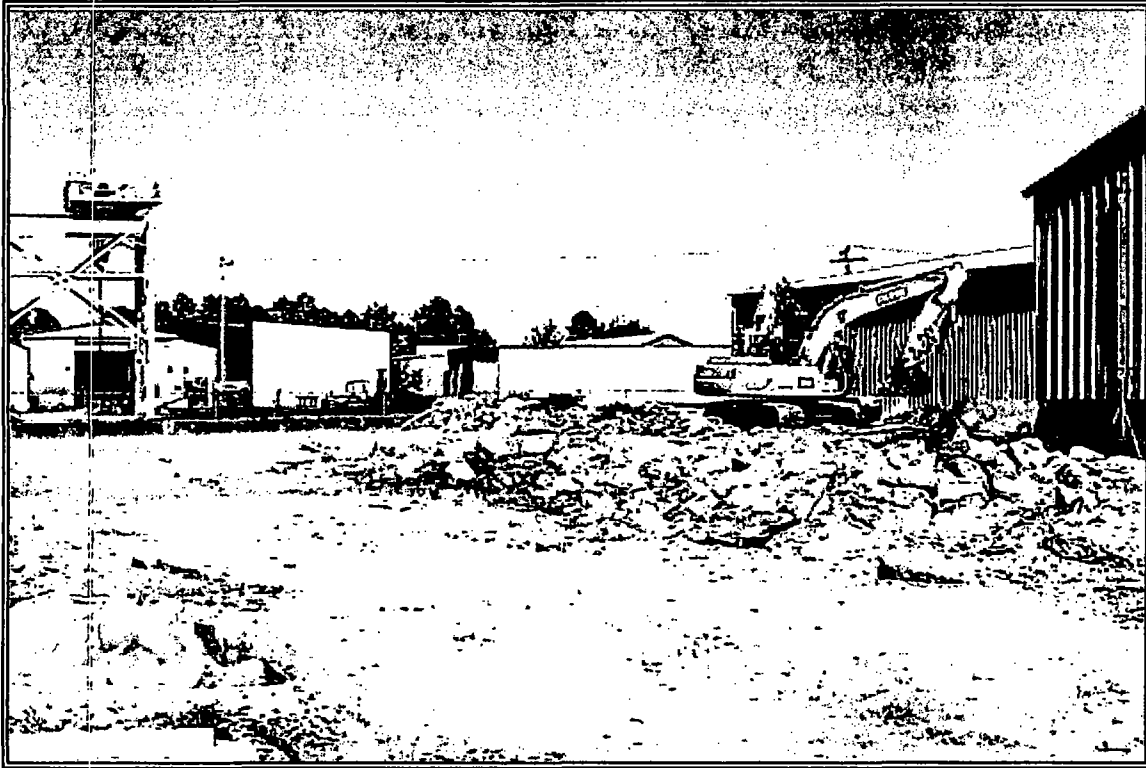
Date: April 21, 2005

Orientation: North

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 14**

Subject: Demolition of concrete pads in Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: April 27, 2005

Orientation: East

Photographer: Tara Rowland, START-2

Witness: Mike Vails, Compass

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 15**

Subject: Grid layout for excavations in Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 16, 2005

Orientation: Northwest

Photographer: Tara Rowland, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 16**

Subject: Excavation of Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 27, 2005

Orientation: Northeast

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 17**

Subject: Excavation of Area C.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 16, 2005

Orientation: Southeast

Photographer: Tara Rowland, START-2

Witness: Mike Vails, Compass

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 18**

Subject: Removal of stormwater from excavation in Area D.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: May 16, 2005

Orientation: Southeast

Photographer: Leann McHugh, START-2

Witness: Mike Vails, Compass

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 19**

Subject: Backfill operations in Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

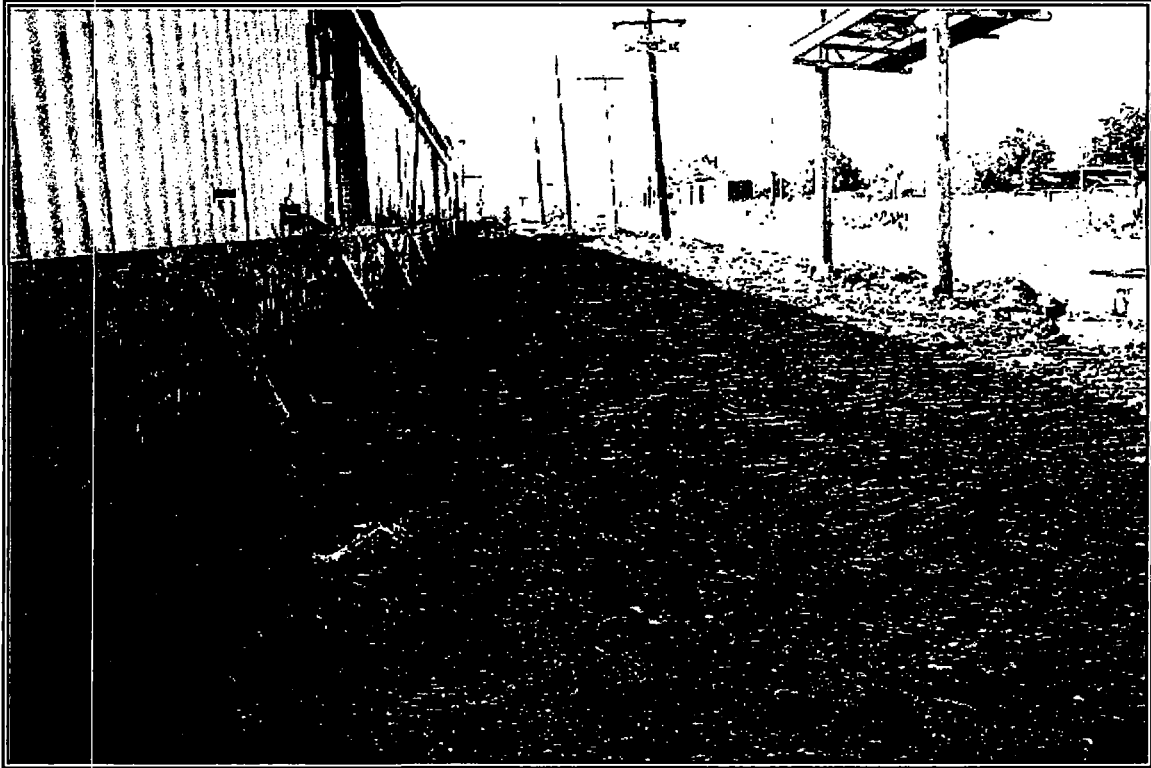
Date: May 20, 2005

Orientation: East

Photographer: Leann McHugh, START-2

Witness: Mike Vails, Compass

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 20**

Subject: Backfill operations in Area C.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

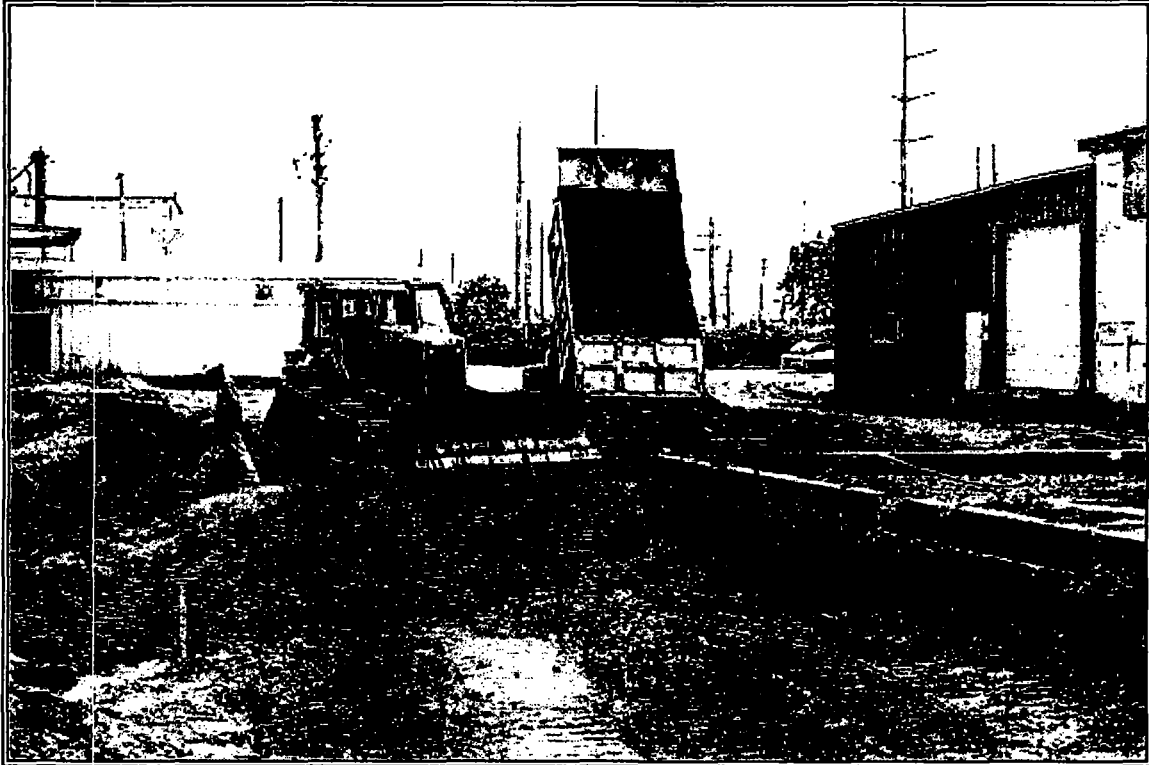
Date: June 23, 2005

Orientation: Southeast

Photographer: Tara Rowland, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 21**

Subject: Backfill operations in Area D.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 6, 2005

Orientation: South

Photographer: Timothy Maher, START-2

Witness: Mike Vails, Compass

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 22**

Subject: Excavation of Ditch 1 in Area A.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

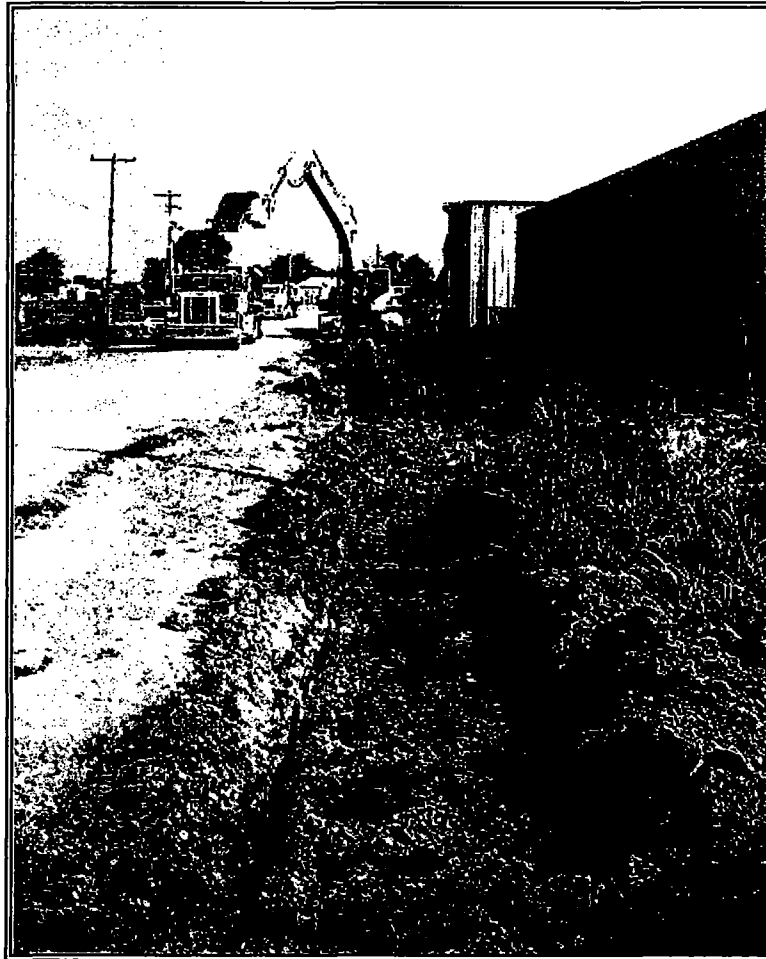
Date: June 27, 2005

Orientation: North

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 23**

Subject: Excavation of Ditch 3 in Area A.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 27, 2005

Orientation: North

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 24**

Subject: Excavation of Ditch 4 in Area A.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 16, 2005

Orientation: North

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 25**

Subject: Backfill and restoration of Ditch 3 in Area A.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 28, 2005

Orientation: North

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 26**

Subject: Site restoration of Ditches 5 and 6 in Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

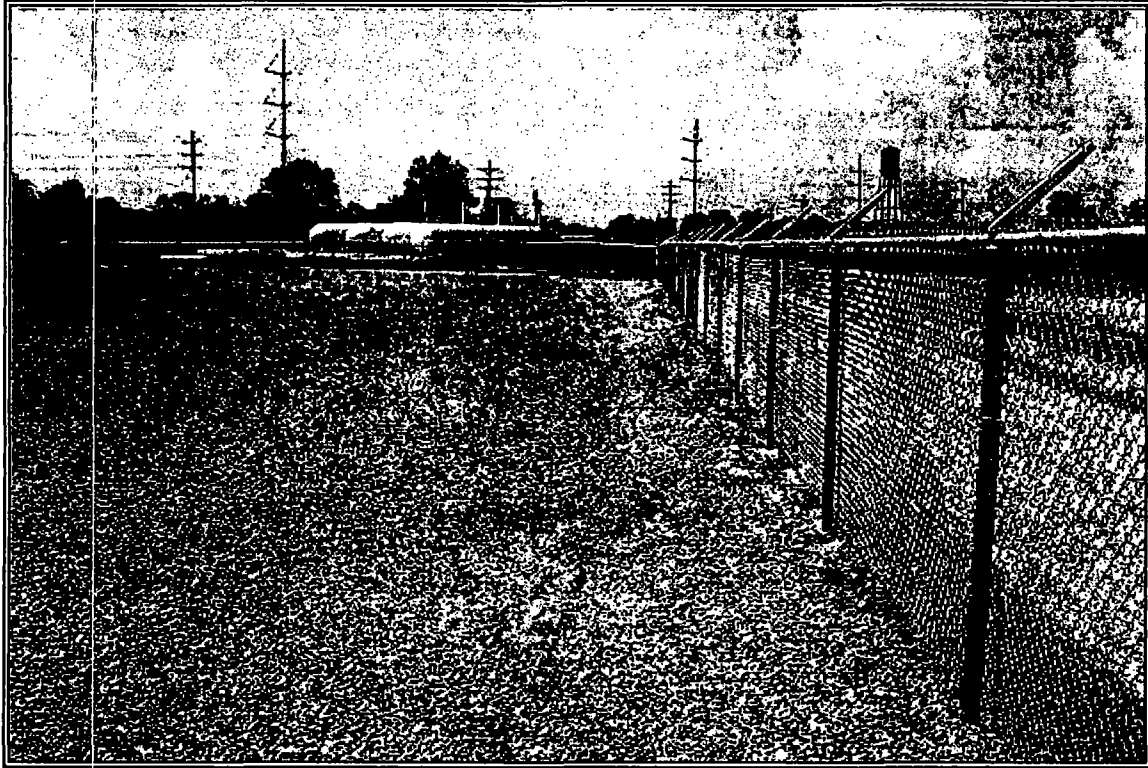
Date: August 11, 2005

Orientation: Northwest

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



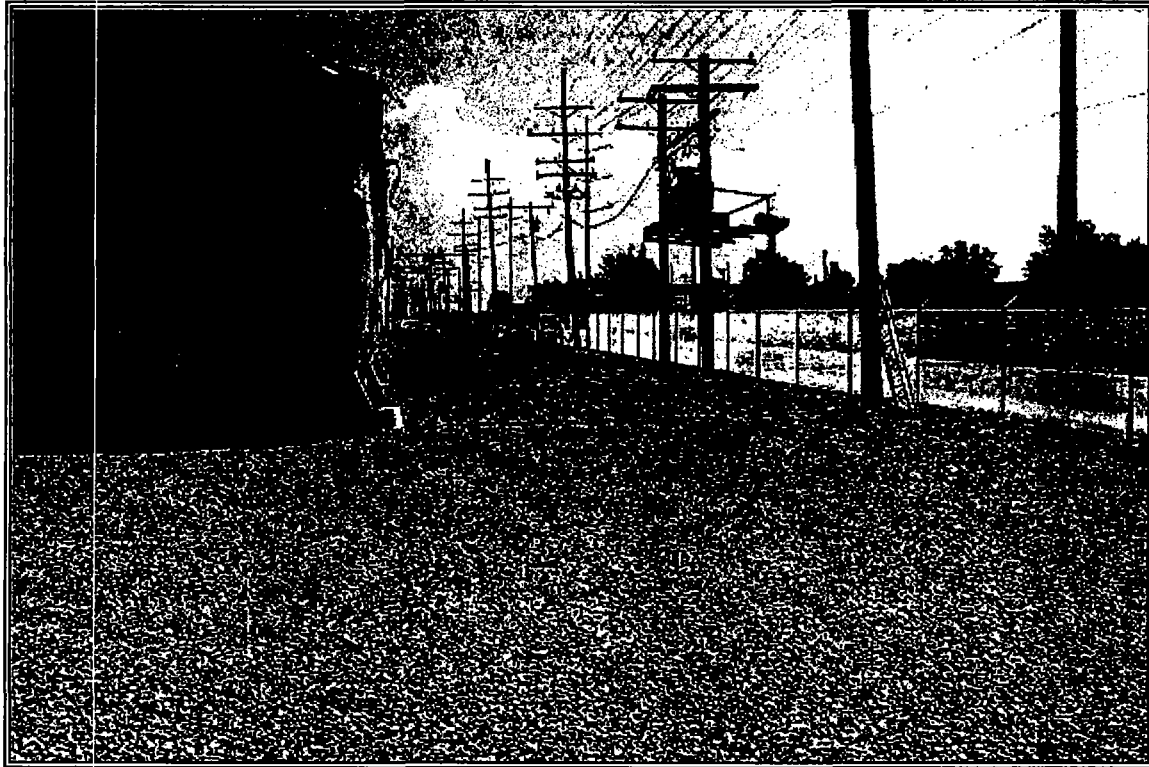
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 27**

Subject: Site restoration and new perimeter fence in Area B.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: August 11, 2005 **Orientation:** Northwest

Photographer: Timothy Maher, START-2 **Witness:** David DeLaney, URS



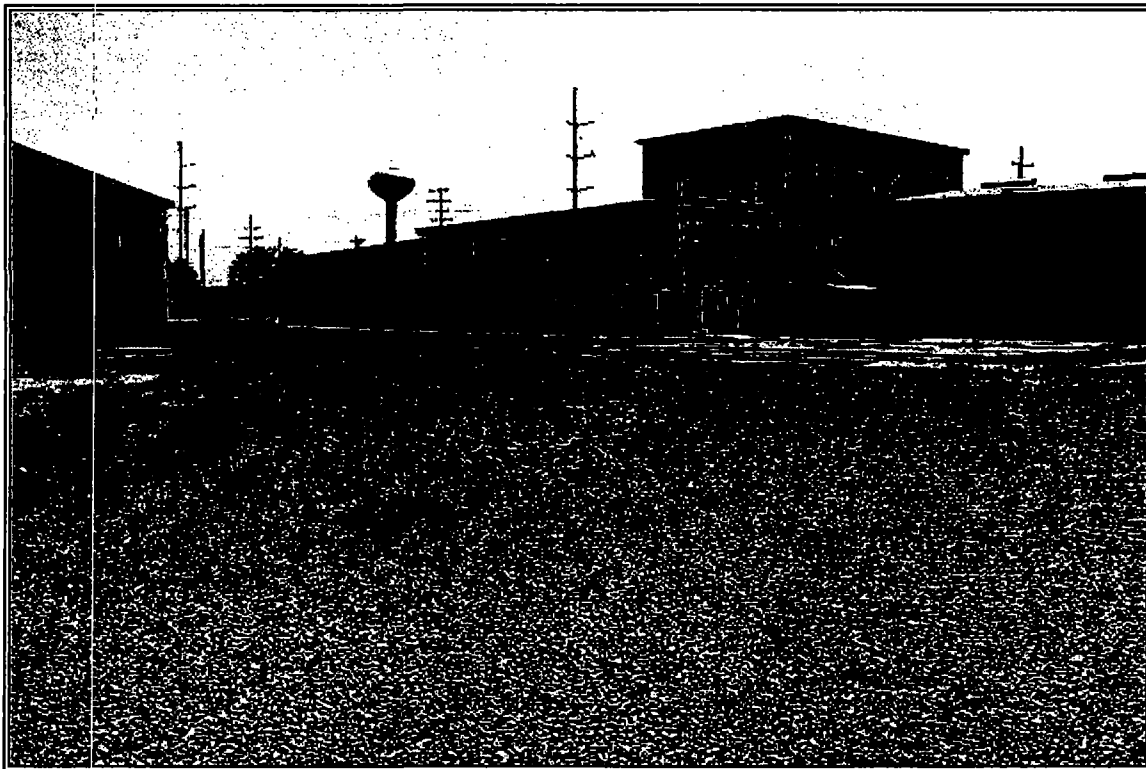
**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 28**

Subject: Site restoration and new perimeter fence in Area C.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: August 11, 2005 **Orientation:** South

Photographer: Timothy Maher, START-2 **Witness:** David DeLaney, URS



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 29**

Subject: Site restoration in Area D.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: August 11, 2005

Orientation: Southwest

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 30**

Subject: Site restoration and installation of new perimeter fence in Area D.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: August 11, 2005 **Orientation:** Northeast

Photographer: Timothy Maher, START-2 **Witness:** David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 31**

Subject: Restoration of Ditch 1 in Area A.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: August 11, 2005

Orientation: South

Photographer: Timothy Maher, START-2

Witness: David DeLaney, URS



**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICIAL SITE PHOTOGRAPH 32**

Subject: Restoration of Ditches 3 and 4 in Area A.

Site: Red Panther Chemical
Clarksdale, Coahoma County, Mississippi
TDD No. 4W-02-07-B-007

Date: June 28, 2005

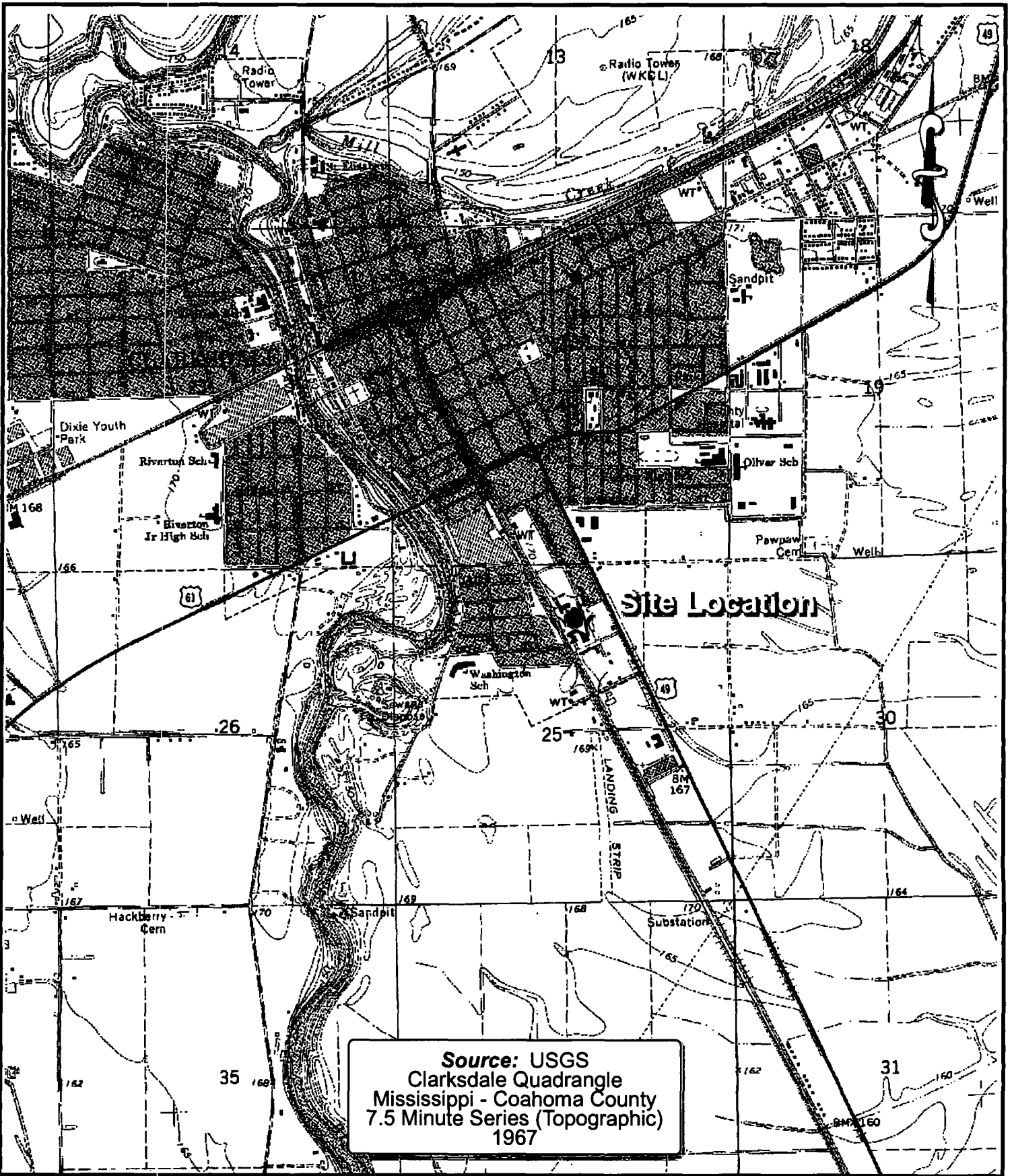
Orientation: Northwest

Photographer: Timothy Maher, START-2

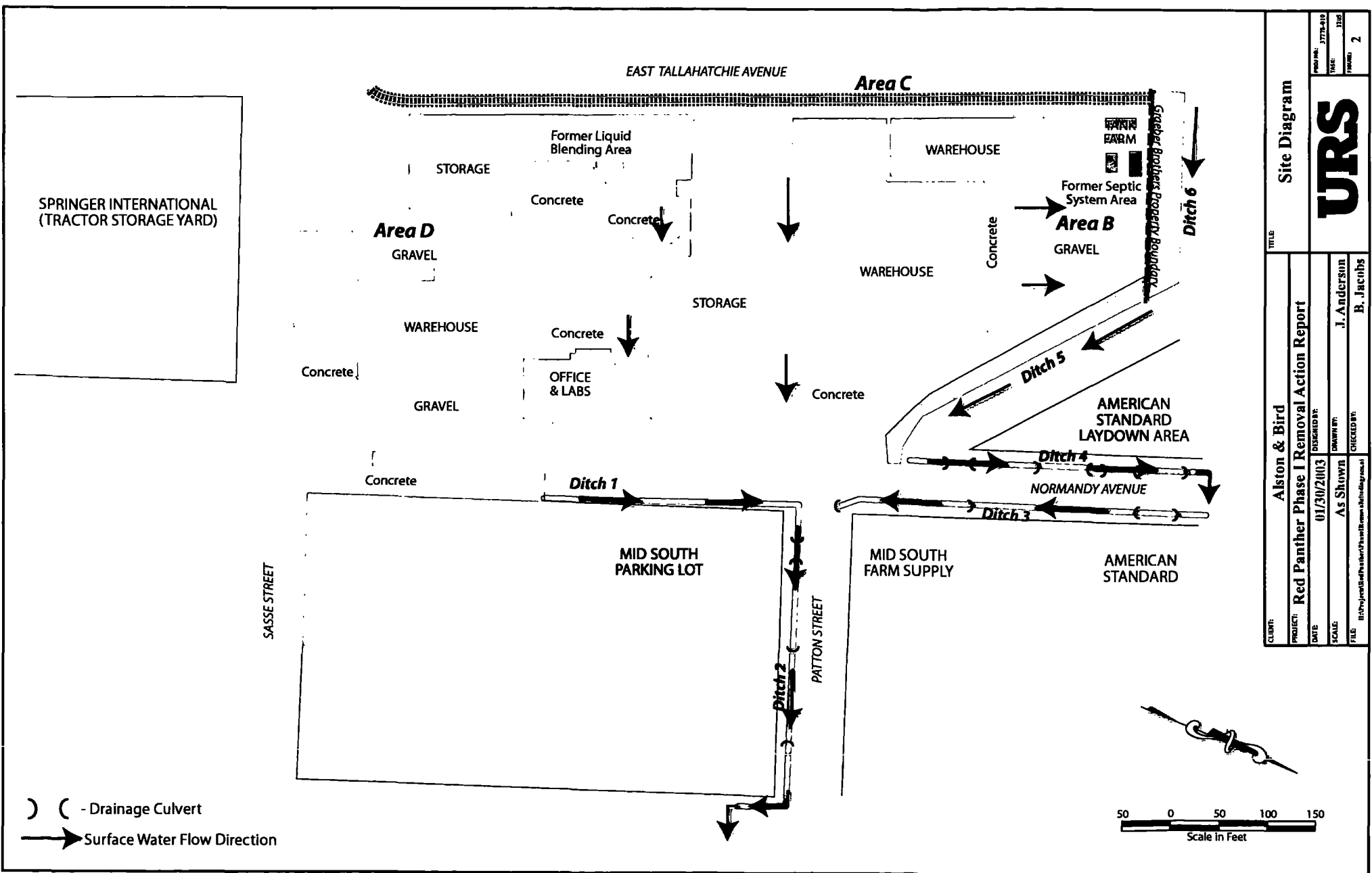
Witness: David DeLaney, URS

This document was prepared by Weston Solutions, Inc., expressly for the EPA. It shall not be disclosed, in whole or in part, without the express written permission of the EPA.

ATTACHMENT 1
URS Figures



CLIENT: Alston and Bird		TITLE: Site Location Map	
PROJECT: Red Panther Soil Characterization Report			
DATE: 02/18/2003	DESIGNED BY:		
SCALE: Approximate Scale 1" = 2000'	DRAWN BY: J. Anderson		
FILE: H:\Projects\Red Panther\Soil Characterization\SiteMap.ai	CHECKED BY: B. Jacobs		
		PROJ NO: 37778-010	
		TASK: 1405	
		FIGURE: 1	



CLIENT: Alston & Bird		TITLE: Site Diagram	
PROJECT: Red Panther Phase I Removal Action Report	DESIGNED BY: J. Anderson	PROJ. NO.: 3779-410	DATE: 01/30/2003
DATE: 01/30/2003	DRAWN BY: A.S. Shown	DATE: 01/30/2003	SCALE: AS SHOWN
SCALE: AS SHOWN	CHECKED BY: B. Jacobs	FORM: 2	FILE: B:\Project\Red Panther\Site Diagram.dwg

EAST TALLAHATCHEE AVENUE

WAREHOUSE

WAREHOUSE

PDB-1 thru PDB-7

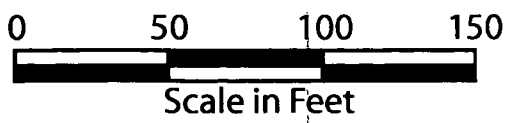
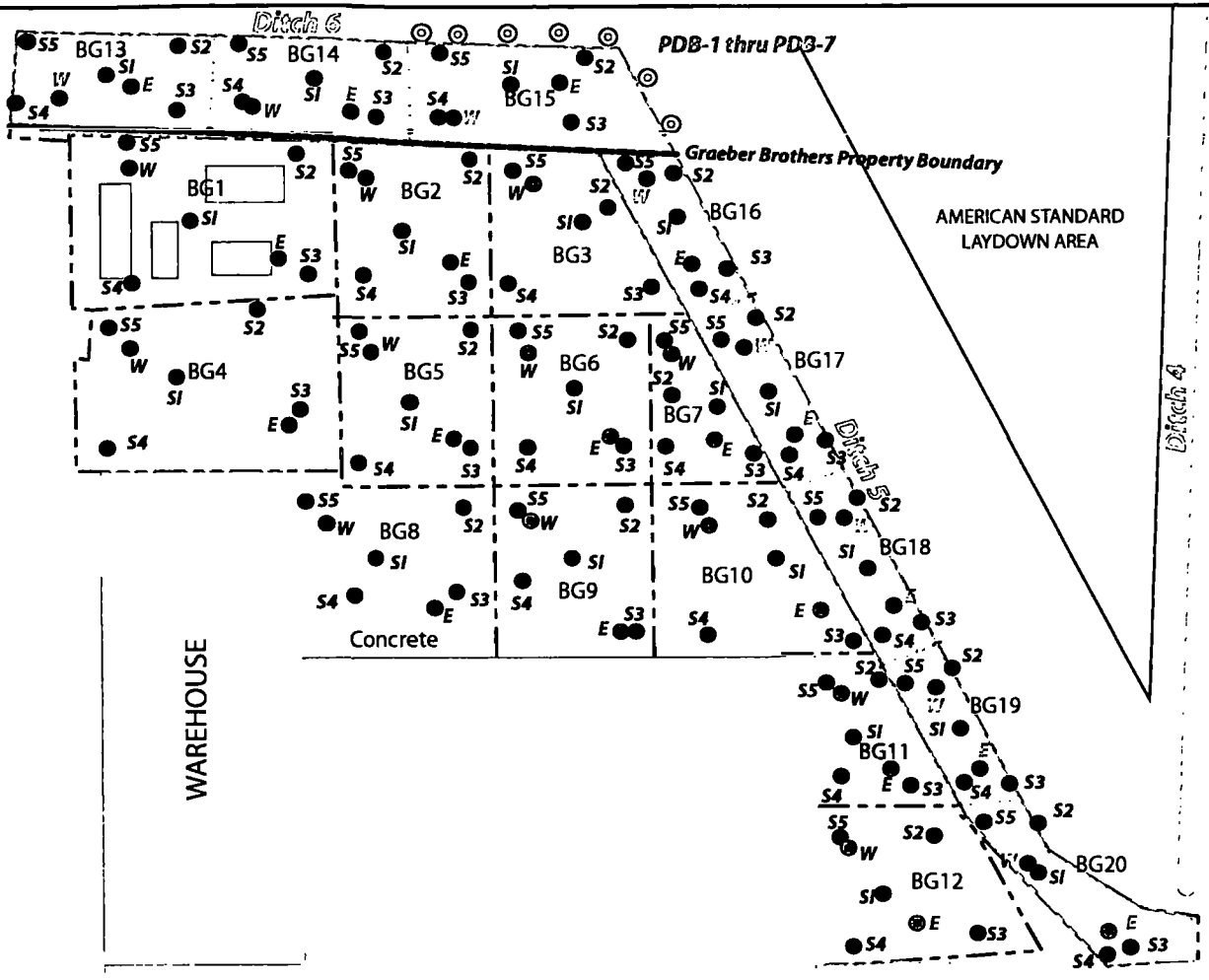
Graeber Brothers Property Boundary

AMERICAN STANDARD LAYDOWN AREA

NORMANDY AVENUE

AMERICAN STANDARD

MID SOUTH FARM SUPPLY



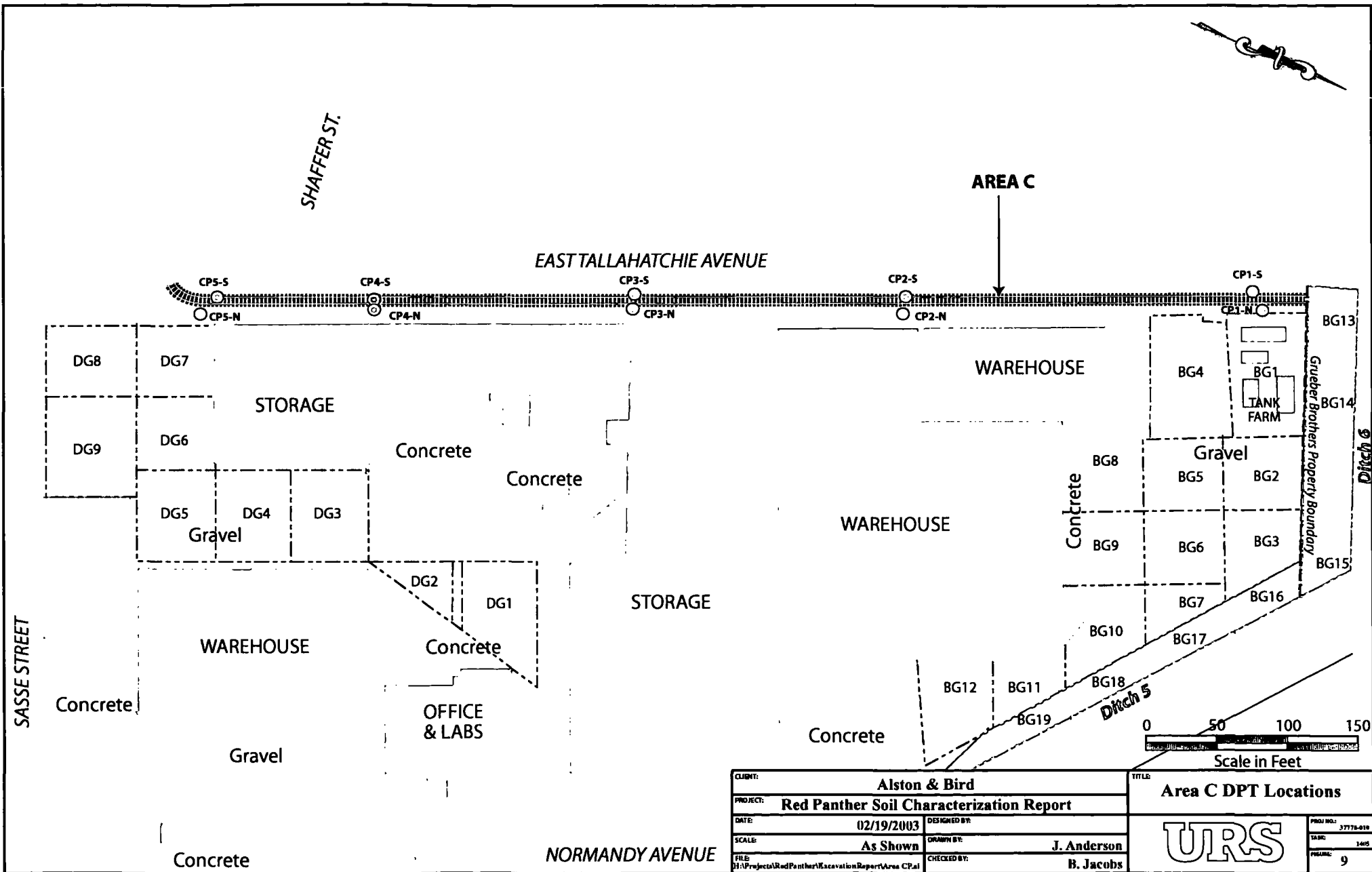
LEGEND


- S1 ● - Surface Soil Sample Aliquot Location
- E ⊙ - DPT Boring Location
- PDB-1 ⊙ - Visual Waste Delineation DPT

CLIENT:	Alston & Bird	
PROJECT:	Red Panther Soil Characterization Report	
DATE:	02/18/2003	DESIGNED BY:
SCALE:	As Shown	DRAWN BY: J. Anderson
FILE:	\\11\Projects\Red Panther\Soil Characterization\Area B Samp Loc	
	CHECKED BY:	B. Jacobs

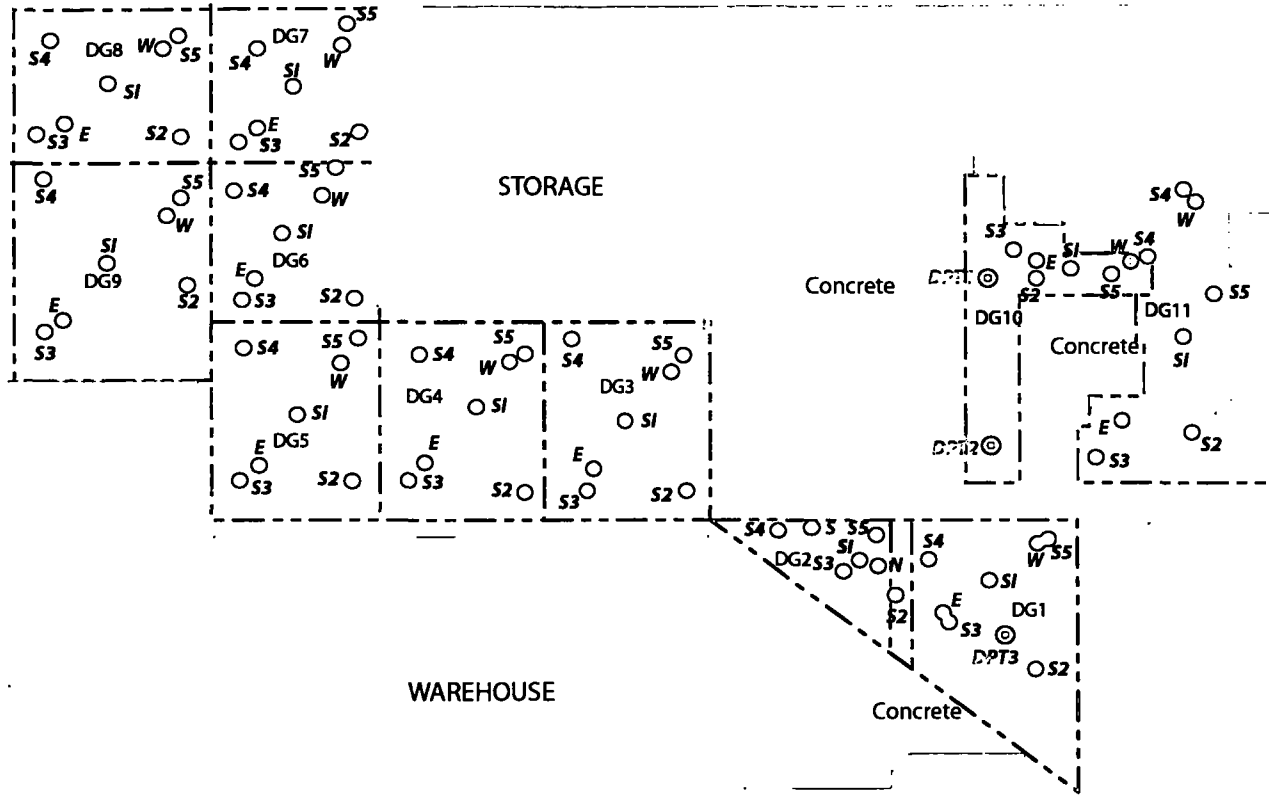
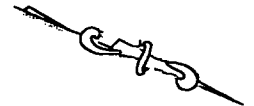
TITLE:	Area B Sampling Locations
PROJ NO.:	37774-010
TASK:	1405
PAGE:	3



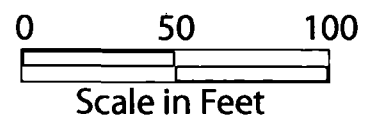


CLIENT:	Alston & Bird		TITLE:	Area C DPT Locations			
PROJECT:	Red Panther Soil Characterization Report						
DATE:	02/19/2003	DESIGNED BY:					
SCALE:	As Shown	DRAWN BY:				J. Anderson	
FILE:	D:\Projects\Red Panther\Excavation Report\Area CP.dwg					CHECKED BY:	B. Jacobs
			PROJ NO.:	37778-010			
			TAB NO.:	1405			
			PSHALE:	9			

EAST TALLAHATCHIE AVENUE



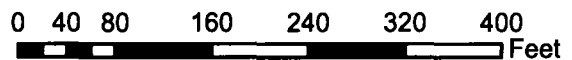
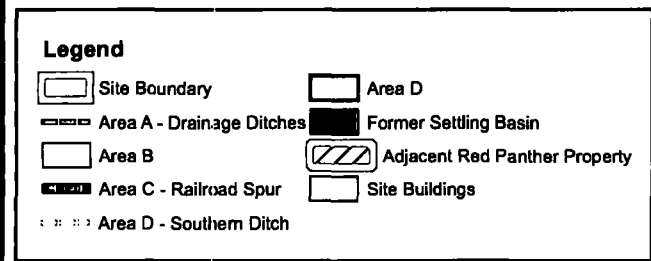
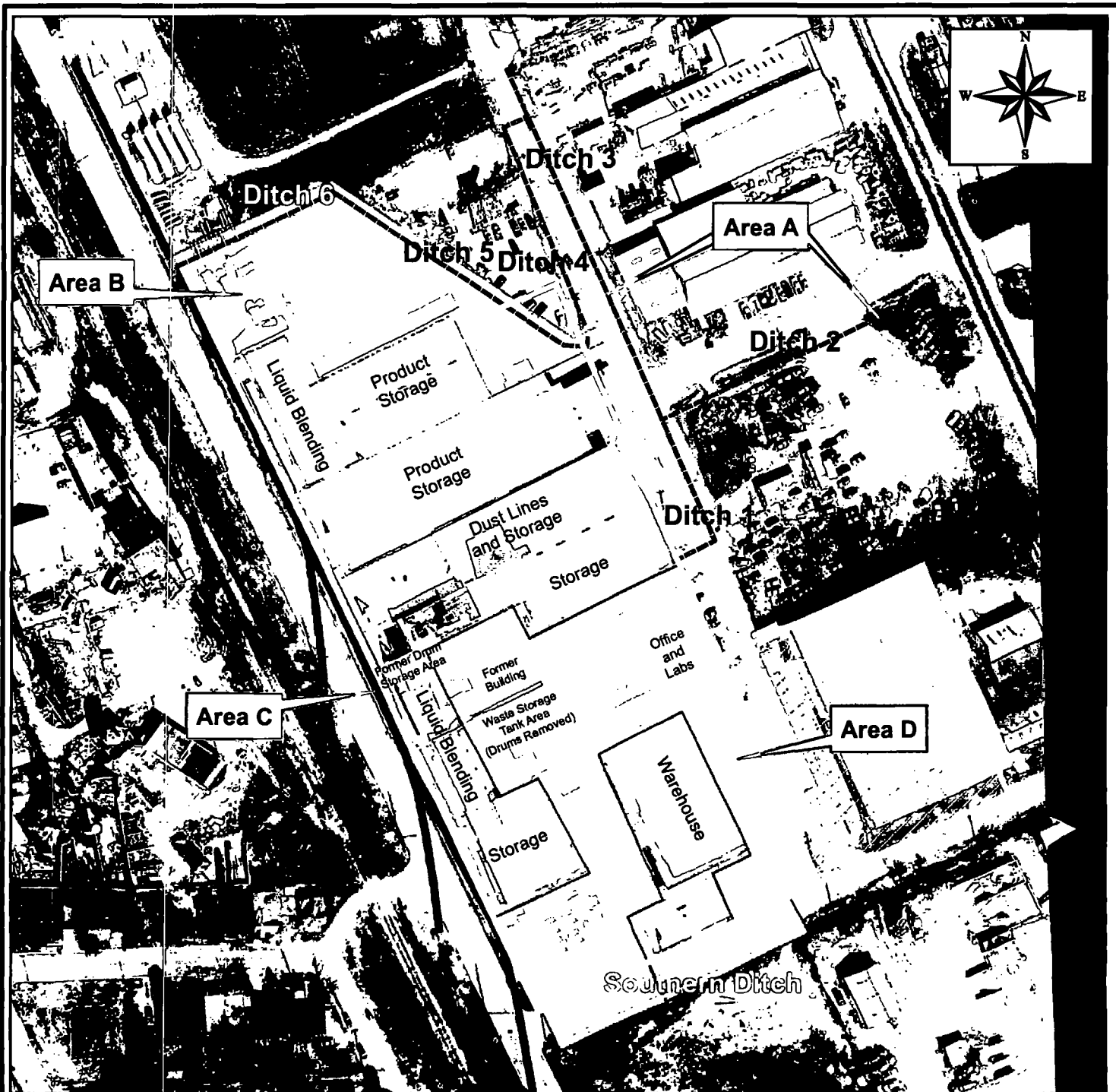
SASSE STREET



LEGEND	
SI ○	- Surface Soil Sample Aliquot Location
E ○	- DPT Boring Location
⊙	- DPT for Settling Basin

CLIENT:	Alston & Bird		TITLE:	Area D Sampling Locations	
PROJECT:	Red Panther Soil Characterization Report				
DATE:	02/19/2003	DESIGNED BY:			
SCALE:	As Shown	DRAWN BY:	J. Anderson		
FILE:	H:\Projects\Red Panther\Soil Char\Area D Setup Local		CHECKED BY:	B. Jacobs	
				PROJ NO:	37718-010
				TASK:	1400
				PAGE:	11

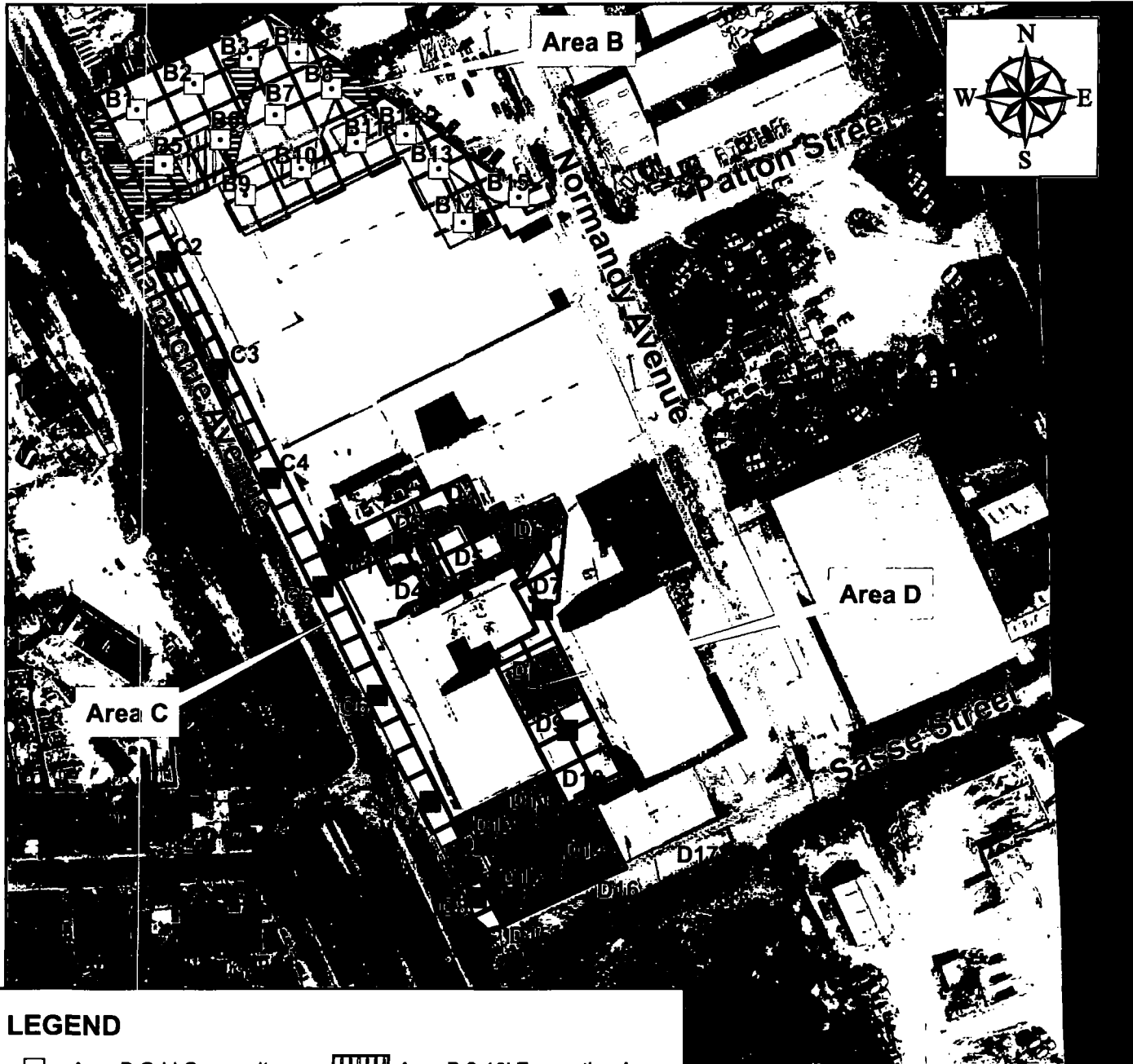
ATTACHMENT 2
NewFields Figures



1349 West Peachtree Street ~ Suite 2000
 Atlanta, Georgia 30309
 Phone: (404) 347-9050 ~ Fax: (404) 347-9080
 www.newfields.com

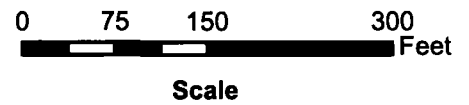
**Red Panther Site
 Clarksdale, Mississippi
 Sampling and Analysis Plan
 March 2005**

**Figure 1
 Containment Areas**



LEGEND

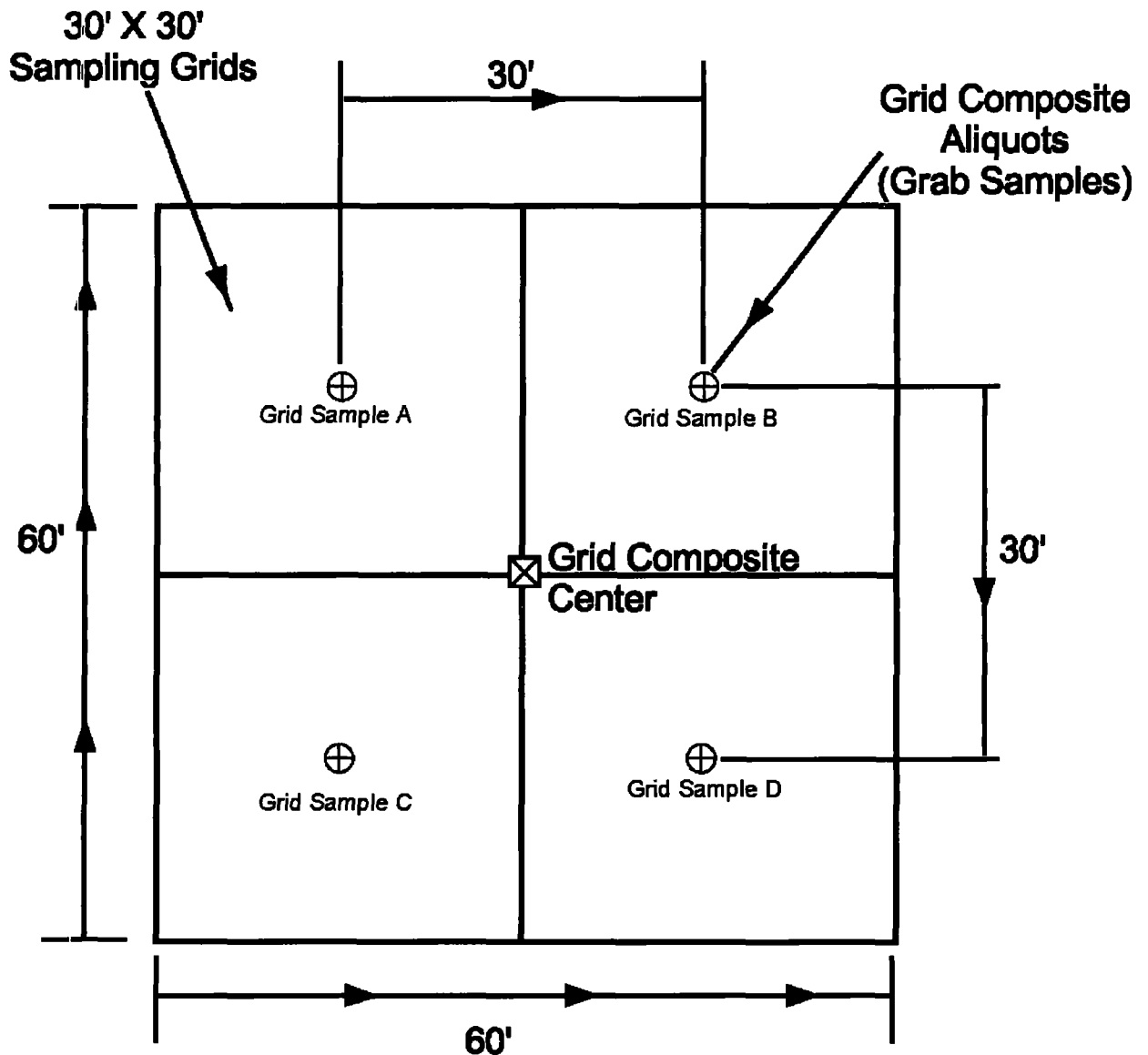
- ◻ Area B Grid Composites
- ◼ Area C Grid Composites
- ◼ Area D Grid Composites
- Area B Grid Divisions
- Area C Grid Divisions
- Area D Grid Divisions
- ◻ Area B 0-2' Excavation Area
- ▨ Area B 2-6' Excavation Area
- ▨ Area B 6-10' Excavation Area
- ◻ Area C 0-2' Excavation Area
- ▨ Area C 2-6' Excavation Area
- ▨ Area C 6-10' Excavation Area
- ◻ Area D 0-2' Excavation Area
- ◻ Area D 6-10' Excavation Area
- Site Boundary



1366 West Peachtree Street ~ Suite 2000
Atlanta, Georgia 30309
Phone: (404) 347-8080 ~ Fax: (404) 347-8080
www.newfields.com

**Red Panther Site
Clarksdale, Mississippi
Sampling and
Analysis Plan
March 2005**

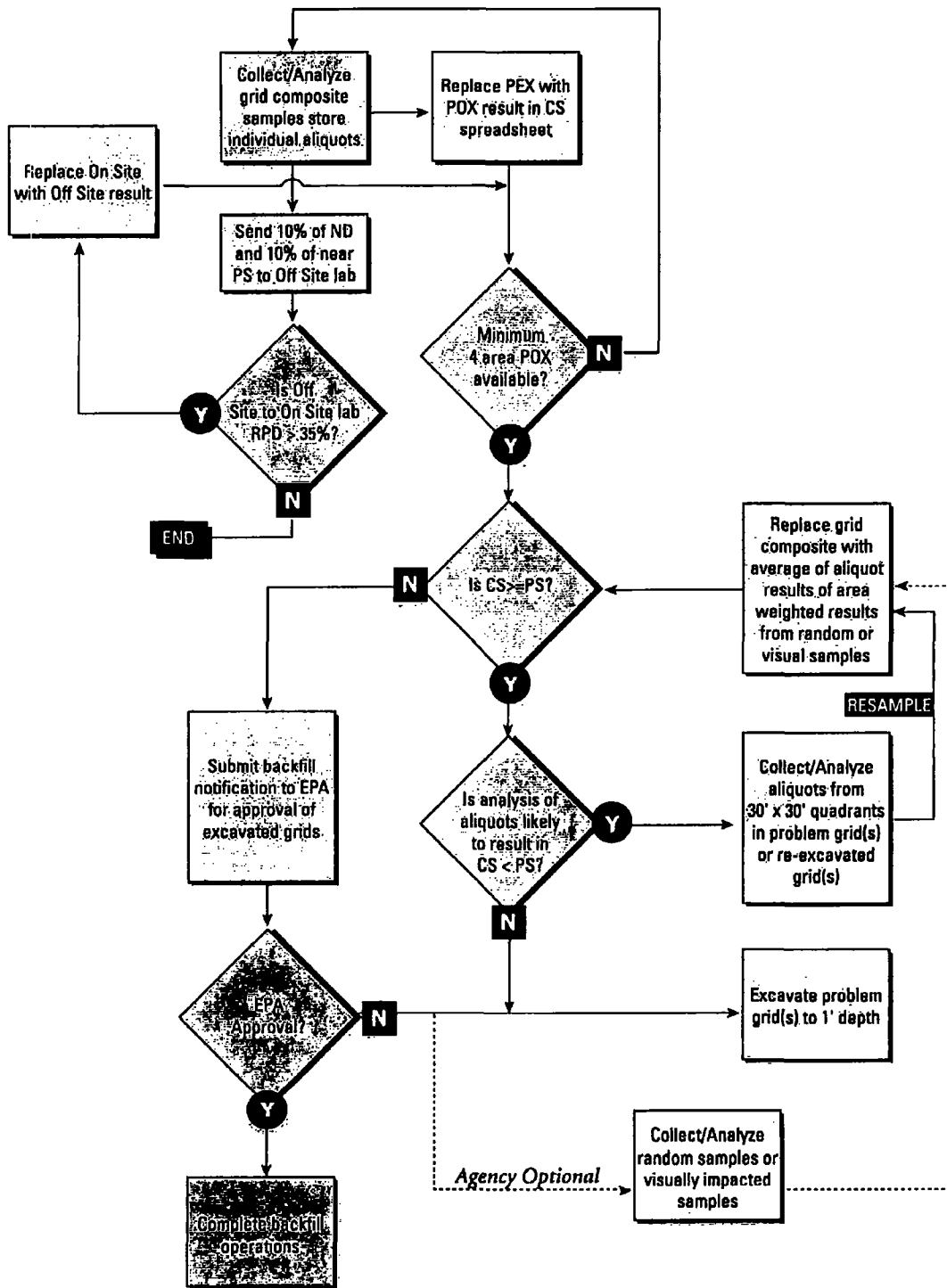
**Figure 2
Confirmation
Sample Locations**



1349 West Peachtree Street - Suite 2000
 Atlanta, Georgia 30309
 Phone: (404) 347-9050 ~ Fax: (404) 347-9080
 www.newfields.com

**Red Panther Site
 Clarksdale, Mississippi
 Sampling and
 Analysis Plan
 March 2005**

**Figure 3
 Confirmation
 Sampling Grid
 Detail**



NOTES:
 PEX – Pre excavation estimate of concentration at base of excavation.
 POX – Post excavation grid result.



1349 West Peachtree Street ~ Suite 2000
 Atlanta, Georgia 30309
 Phone: (404) 347-9050 ~ Fax: (404) 347-9080
 www.newfields.com

**Red Panther Site
 Clarksdale, Mississippi
 Sampling and
 Analysis Plan
 March 2005**

**Figure 4
 Confirmation
 Sampling Decision
 Tree**