

US EPA ARCHIVE DOCUMENT

**CONSTRUCTION COMPLETION REPORT
REMEDiation OF MERCURY IN SOILS
AT THE FORMER CHLOR-ALKALI AREA
ON THE SOLUTIA W. G. KRUMMRICH PLANT
SAUGET, ILLINOIS**

Submitted To:

**U.S. Environmental Protection Agency
Region 5
77 West Jackson Blvd.
Chicago, Illinois**

February 27, 2009

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1. Introduction and Background

This document presents the Construction Completion Report (CCR) for activities undertaken to remove soils impacted with mercury from the former Chlor-Alkali Area of the Solutia W.G. Krummrich facility in Sauget, Illinois.

The need for the investigation and corrective action was identified in the “Final Decision and Response to Comments for Solutia Inc., Sauget, Illinois, U.S. EPA No. ILD 000 802 702” (Final Decision) that was issued by the U.S. Environmental Protection Agency (U.S. EPA) on February 26, 2008, and received by Solutia on February 28, 2008. That document required the excavation of soils that contain mercury at concentrations in excess of 61 ppm provided that Solutia could demonstrate (and U.S. EPA approved the demonstration) that mercury has not migrated to groundwater in the Shallow Hydrogeologic Unit (SHU) in excess of a concentration of 0.002 ppm in the area immediately downgradient of the excavation.

This was demonstrated by the September 19, 2008, collection of a groundwater sample from Piezometer PZ-MA-1 – results of which indicated a mercury concentration less than 0.002 ppm (concentration was 0.00067 ppm) as communicated to U.S. EPA on October 7, 2008. Approval was subsequently granted by U.S. EPA for a cleanup level of 61 ppm on November 17, 2008.

Soils impacted with mercury above 61 ppm were identified in the upper 13 feet beneath portions of the area located between the CCH building and B Street as depicted in Figure 1. The remedial approach was to excavate soils containing soil impacted with mercury with levels above 61 ppm and transport them to a proper disposal facility. Due to the proximity of existing building CCH to the excavation area, an earth retention system (ERS) consisting of cold-formed sheet pile was installed around the excavation area to allow soil removal to the required depths without endangering the adjacent Building CCH and worker safety. Sheet piling, excavation, and backfilling occurred in sequence.

2. Results And Remedial Actions

The results of the investigation have previously been provided to U.S. EPA under separate cover. As depicted in Figure 1, soils impacted with mercury have been identified in the uppermost 13 feet beneath portions of the area located between the CCH building and B Street.

The remedial actions were indented to remove soils (in the depth range previously agreed to with U.S. EPA) that contain mercury in excess of 61 ppm. In order to perform the remedial activities, various activities were followed in sequence including pre-excavation, excavation and site restoration. Each of these construction activities followed general site and project specific health and safety requirements. Activities were performed during February 2 through February 17, 2009 by Pangea Inc. (Pangea) with construction oversight provided by URS Corporation (URS).

2.1 Pre-Excavation Activities

The following pre-excavation work was conducted prior to commencing excavation:

- Piezometer PZ-MA-01 located within the footprint of the excavation was abandoned.
- Soil representative of that to be excavated was collected and composited for analytical testing to profile the material for disposal.
- A Construction Plan was developed by Pangea outlining the procedures for pre-excavation, excavation and site restoration activities.
- Pangea laid out the excavation using the coordinates and measurements provided in Figure 2 (See also Photographic Log – Attachment A). Work zones were established based on the excavation layout, and temporary barricades and signage were installed around the perimeter of the excavation area to control access.
- A temporary decontamination pad constructed of heavy duty plastic sheeting was installed in a location where all equipment and trucks entered and exited the

- project area. All equipment and trucks went through decontamination prior to leaving the site. At a minimum this consisted of using hand tools such as shovels and brooms to remove excess soil from vehicles.
- Pangea conducted trenching to a depth of 12 feet along the perimeter of the excavation footprint to identify possible obstructions that may interfere with sheet pile installation. Pretrenching located and identified various concrete footings and slabs, a manhole and two storm sewer pipes that were encased in concrete. The concrete footings and slabs were reduced in size using a trackhoe equipped with a hoe ram. The manhole and storm sewer pipes were left in place.
 - An earth retention system (ERS) consisting of sheet pile was installed along the perimeter of the excavation footprint. Sheet piles were installed using an ABI excavator-mounted vibratory pile hammer. The ERS consisted of 37-foot-long sheet piles (cold-rolled SKZ25 (Grade 60)) installed to a depth of approximately 35 feet below ground surface (bgs). The as-built details are shown in Figure 3.

2.2 Excavation Activities

Excavation activities were initiated once all site preparation was completed and the ERS was in place. The following excavation activities were performed in sequence:

- Surface cover material consisting of asphalt was removed and disposed of off-site;
- Plastic sheeting was placed on the ground in a location beneath the trucks and in the “swing zone” of the excavator to collect any spillage during loading.
- Soils located inside the ERS were excavated by Pangea using a Caterpillar model 325 trackhoe. Excavated soils were loaded directly into trailer or tandem trucks under manifest. Manifests (copies provided in Attachment B) were prepared for each load of soil that was shipped off-site to the disposal facility. Soils were managed as non-hazardous special waste, based on the waste characterization profile and transported to the Waste Management Milam Recycling and Disposal

Facility (RDF) Landfill located in East St. Louis, Illinois. Trucks were covered and decontaminated prior to departing the Site.

- Excavation continued beyond the planned minimum depths (as previously agreed to between Solutia with U.S. EPA) as shown on Figure 3 resulting in the removal of approximately 600 cubic yards of material as manifested. Table 1 provides a summary of the excavated material. Confirmation depth measurements were subsequently performed by Pangea and URS using a rod and level attached to the bucket of the excavator.
- Backfilling commenced once excavation activities were complete and after total depth were confirmed and documented.

2.3 Backfill Activities

Prior to importation, backfill samples were collected for chemical and geotechnical testing. Four samples of the borrow source materials were obtained and tested for various contaminants and compared to baseline remediation objectives (i.e. Illinois Environmental Protection Agency (IEPA) Tiered Approach to Corrective Action Objectives (TACO) Tier I) to ensure that materials were suitable for backfill. Attachment C provides the analytical results (chemical and geotechnical) of the material that was used for the backfill. The material was approved since all constituents were below Illinois TACO Tier I levels.

Imported material consisting of CA-7 (1" clean limestone) from the Falling Springs Quarry located in Dupu, Illinois, was used for backfill. The trackhoe was used to place the material and compact the first two 1-foot-thick lifts. Subsequent lifts were compacted with a minimum of six passes using a remote vibratory sheepsfoot roller to a medium dense condition. A VM75 vibratory smooth-drum roller was used to perform compaction in the upper three feet of the excavation.

Prior to completing backfilling of the uppermost 1 foot, Pangea excavated additional soils on the exterior of the ERS to create room for cutting off the sheet pile below ground

surface. The excavated soils were loaded directly into trailer or tandem trucks under manifest as previously described in Section 2.2. The sheet pile was subsequently cut off approximately 1-foot below ground surface and disposed of.

The top one foot of the excavation was backfilled with material consisting of CA-6 (crushed limestone gravel) to pre-excavation grades. The smooth-drum vibratory roller was used to compact each lift to a dense to very dense condition in the majority of the area. The area where the concrete-encased storm sewer pipes are located were subsequently static rolled to a dense to very dense condition.

2.4 Construction Quality Assurance

The overall objectives of the Construction Quality Assurance (CQA) program were to ensure the proper construction techniques and procedures were used and to verify that the materials used met specifications.

Quality assurance items completed by Pangea and/or URS included the following:

- Testing of backfill material (geotechnical and environmental) and comparing results to IEPA Taco Tier I criteria and geotechnical results to specified gradation requirements;
- Inspecting each pile for damage, proper length, lifting hole diameter, and placement;
- Confirming sheet pile alignment;
- Documenting excavation depths; and
- Documenting backfill placement, per specifications.

2.5 Restoration Activities

Restoration work included returning the site to preconstruction conditions and final grading of the CA-6 crushed limestone gravel to pre-excavation grades.

3. Monitoring Activities

Pursuant to U.S. EPA's request, a monitoring well, MA-MW01, screened in the SHU was installed immediately downgradient of the excavation to allow for the collection of four quarters of groundwater samples. The monitoring well was installed by Roberts Environmental Drilling Inc. (REDI) using hollow stem auger methodology. Prior to well installation, the subsurface stratigraphy was logged and documented by URS; the boring log is included in Attachment D.

The monitoring well was constructed using 2 – inch diameter schedule 40 polyvinyl chloride (PVC) and a 5-foot long, 0.010 inch slot screen size. The well was completed with a flush mount protector. A Monitoring Well Completion Log is also included in Attachment D. Following installation, the monitoring well was developed (surged and pumped) to establish a good hydraulic connection with the SHU. The well development form is included in Attachment D.

Laboratory results from the first sampling event (conducted February 23, 2009) and subsequent events will be provided as they become available.

At the completion of the required four quarters of groundwater sampling, if all four results are below 0.0002 ppm mercury, the well will be abandoned. Otherwise, an action plan will be proposed.

TABLES

Table 1
Summary of Excavated Material

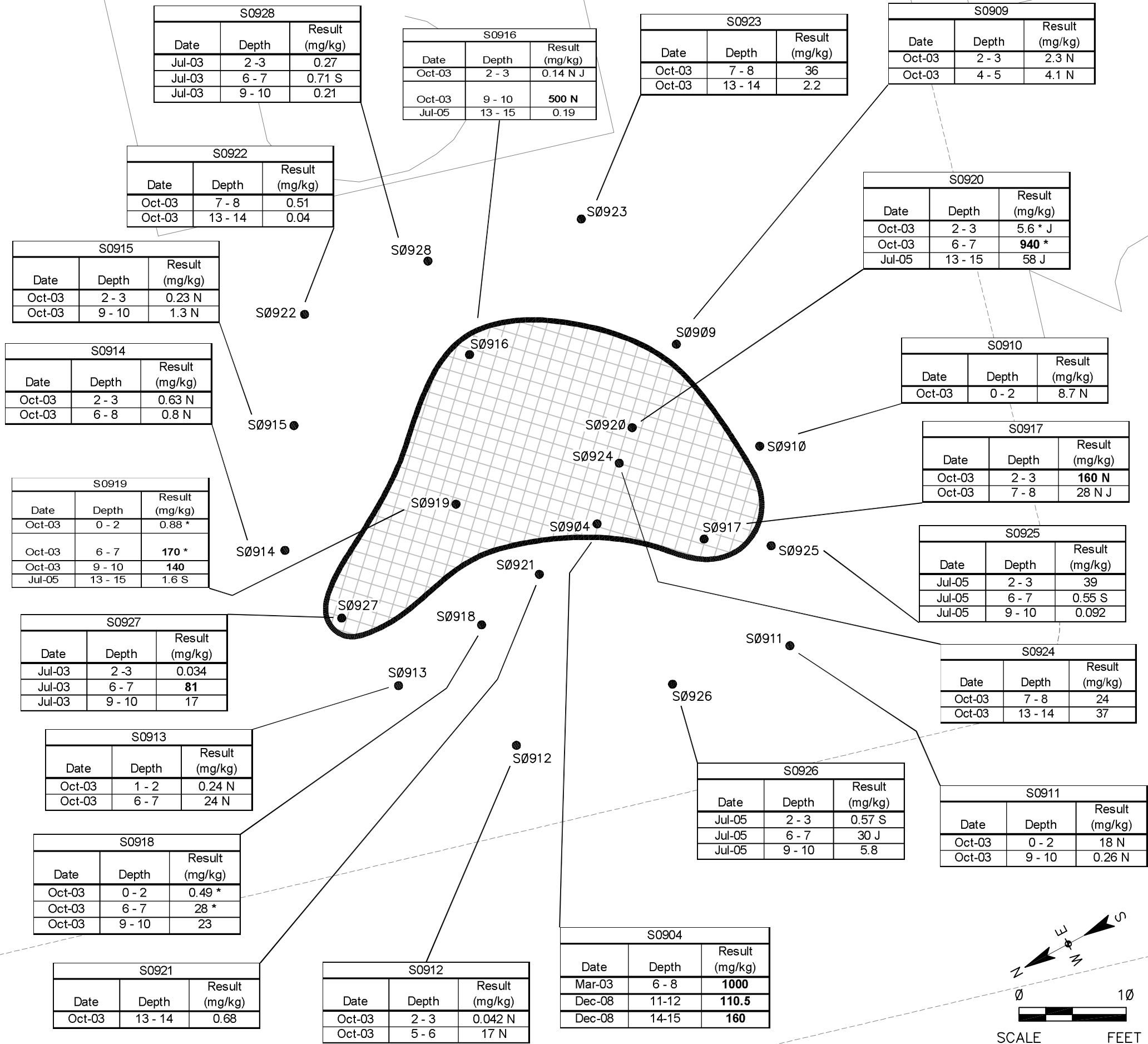
Ticket Date	Manifest	WM Ticket ID	Tons	Yards (est.)
2/9/2009	5114555	679441	15.87	12
2/9/2009	5114558	679443	14.6	12
2/9/2009	5114557	679444	18.65	12
2/9/2009	5114556	679446	18.94	12
2/9/2009	5114559	679485	15.75	12
2/9/2009	5114560	679486	16.25	12
2/9/2009	5114561	679488	14.4	12
2/9/2009	5114562	679494	16.02	12
2/9/2009	5114563	679514	11.25	8
2/9/2009	5114564	679517	11.62	8
2/9/2009	5114565	679539	17.87	12
2/9/2009	5114566	679542	19.88	12
2/9/2009	5114567	679547	18.6	12
2/9/2009	5114568	679554	18.31	12
2/9/2009	5114570	679563	11.68	8
2/9/2009	5114574	679632	19.25	12
2/9/2009	5114573	679640	15.69	12
2/9/2009	5114576	679645	9.97	8
2/9/2009	5114571	679649	16.74	12
2/9/2009	5114572	679650	18.97	12
2/9/2009	5114577	679673	19.22	12
2/9/2009	5114578	679680	18.06	12
2/9/2009	5114579	679685	10.77	8
2/9/2009	5114580	679690	11.38	8
2/9/2009	5114581	679698	16.31	12
2/9/2009	5114582	679705	14.84	12
2/9/2009	5114583	679721	19.09	12
2/9/2009	5114584	679729	16.59	12
2/9/2009	5114585	679730	13.6	8
2/9/2009	5114586	679732	11.7	8
2/9/2009	5114587	679741	19.29	12
2/9/2009	5114588	679748	16.45	12
2/9/2009	5114589	679784	17.5	12
2/9/2009	5114591	679795	17.38	12
2/9/2009	5114590	679799	11.32	8
2/9/2009	5114592	679800	10.14	8
2/9/2009	5114594	679804	15.64	12
2/9/2009	5114593	679805	14.54	12
2/9/2009	5114575	680914	13.59	8
2/9/2009	5114569	680915	13.49	8

Table 1
Summary of Excavated Material

Ticket Date	Manifest	WM Ticket ID	Tons	Yards (est.)
2/10/2009	5114595	679911	17.57	12
2/10/2009	5114596	679916	11.11	12
2/10/2009	5114597	679919	13.99	12
2/10/2009	5114598	679959	16.79	12
2/10/2009	5114599	679967	16.48	12
2/10/2009	5114600	679979	20.5	12
2/10/2009	5114601	680001	16.73	12
2/10/2009	5114602	680016	18.81	12
2/10/2009	2173992	680063	18	12
2/10/2009	2173993	680087	15.09	12
2/10/2009	2173994	680090	17.35	12
2/10/2009	5114603	680121	11.52	12
2/12/2009	2173995	680773	17.62	8
2/12/2009	2173996	680796	16.06	8
2/12/2009	2173998	680823	18.58	8
2/17/2009	2173997	681706	3.56	8
		Total:	870.97	608

FIGURES

Fig. P:\ENVIRONMENTAL\21562122_MERCURY AREA EXCAVATION\CONSTRUCTION COMPLETION REPORT\OCR FIGURES\POST EXCAVATION FIGURES\FIGURE 1 IDENTIFICATION OF SOILS REQUIRING EXCAVATION.DWG Last edited: 02/24/09 @ 1:11 p.m. WC-ST LOUIS, MO



LEGEND



AREA OF SOIL CONTAINING MERCURY EXCEEDING THE DIRECT CONTACT VALUE (>61mg/kg)

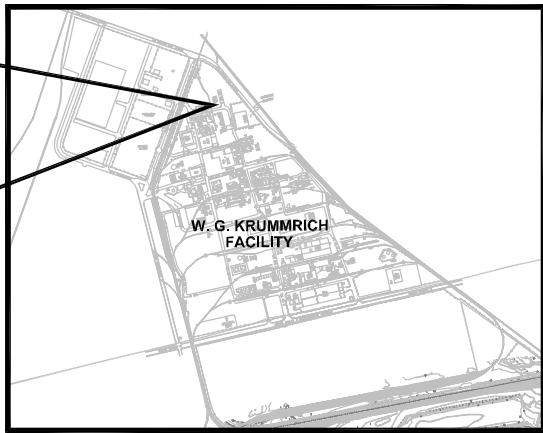
● BORING LOCATION

NOTES:

1. DIRECT CONTACT SCREENING CRITERIA FOR MERCURY IS FROM IEPA TACO. DIRECT CONTACT EXCEEDANCES ARE SHOWN IN BOLD.
2. FOR DUPLICATE SAMPLES, THE HIGHER RESULT IS SHOWN.

QUALIFERS:

- B – COMPOUND WAS FOUND IN THE BLANK AND SAMPLE.
- J – RESULT IS LESS THAN THE RL, BUT GREATER THAN OR EQUAL TO THE MDL AND THE CONCENTRATION IS AN APPROXIMATE VALUE.
- N – SPIKED SAMPLE RECOVERY IS NOT WITHIN CONTROL LIMITS.
- S – RESULT WAS DETERMINED BY THE METHOD OF STANDARD ADDITIONS.
- * – DUPLICATE ANALYSIS IS NOT WITHIN CONTROL LIMITS.



KEYMAP
1" = 2000'

CONSTRUCTION COMPLETION REPORT
FORMER CHLOR-ALKALI AREA CORRECTIVE MEASURES IMPLEMENTATION
W.G. KRUMMRICH FACILITY
SAUGET, ILLINOIS

PROJECT NO.
21562122

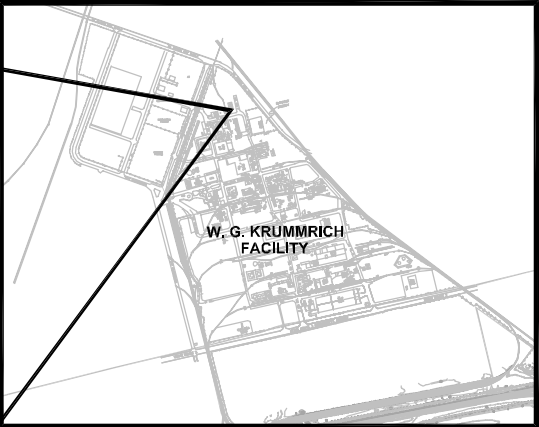
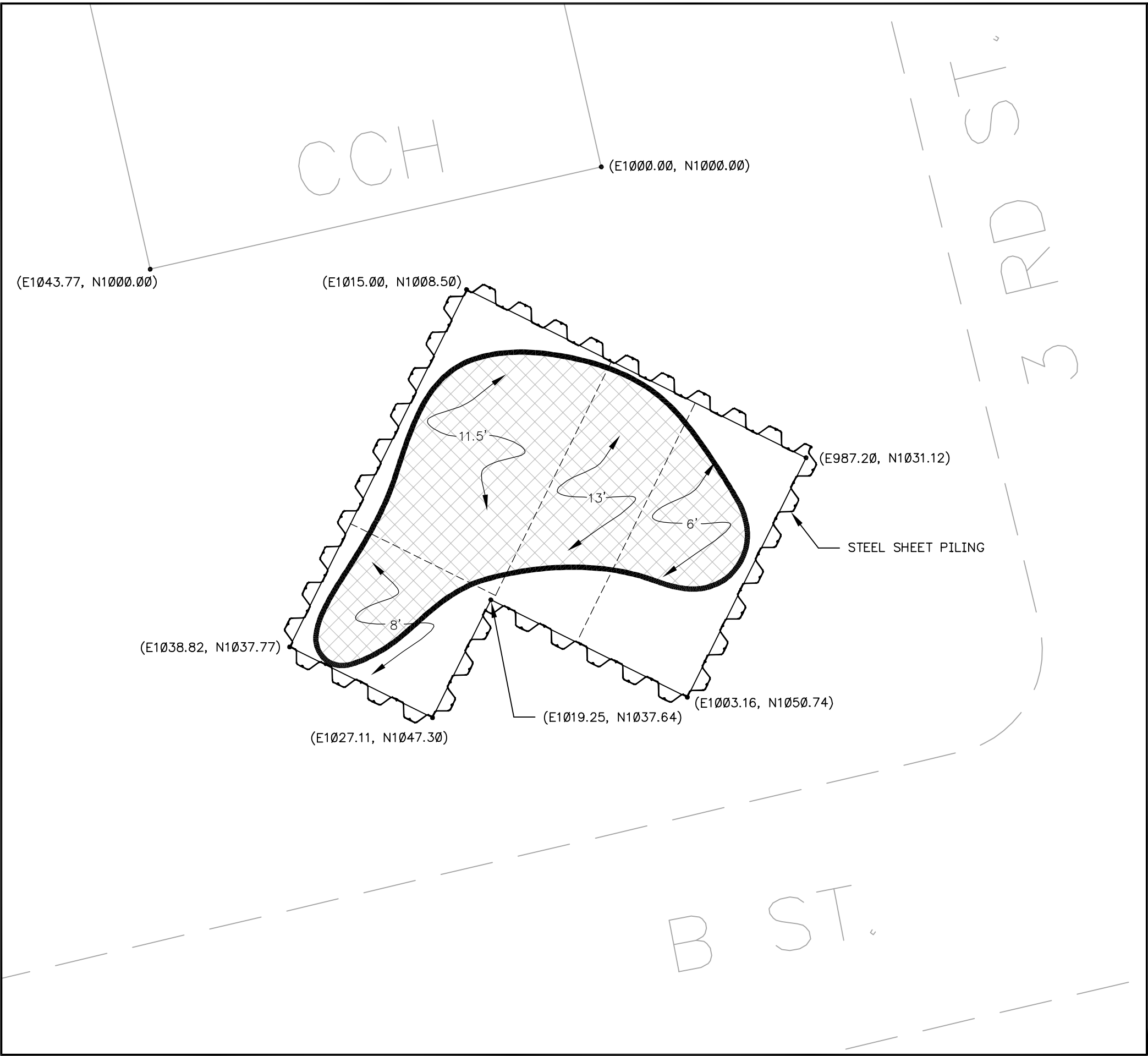


DRN. BY:djd 2/24/09
DSGN. BY:mpm
CHKD. BY:tja

Identification of Soils Requiring
Excavation

FIG. NO.
1

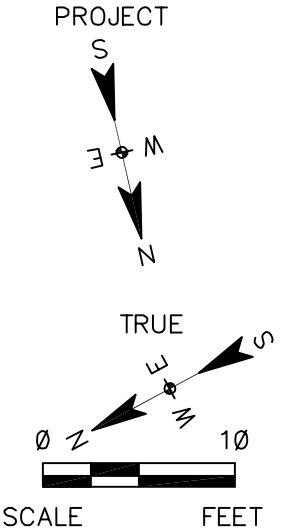
P:\ENVIRONMENTAL\21562122_MERCURY AREA EXCAVATION\CONSTRUCTION COMPLETION REPORT\CCR FIGURES\POST EXCAVATION FIGURES\FIGURE 2 CONSTRUCTION PLAN (WITH PROJECT COORDINATES).DWG Last edited: 02/25/09 @ 4:18 p.m. WC-ST. LOUIS, MO



LEGEND

- PROJECT COORDINATE POINT FOR CONSTRUCTION PLAN (EASTING, NORTHING)
- AREA OF SOIL CONTAINING MERCURY EXCEEDING THE DIRECT CONTACT VALUE (>61mg/kg)
- NUMBER REPRESENTS PROPOSED EXCAVATION DEPTH BELOW GROUND SURFACE

NOTE:
GRADE ELEVATION IS 410.00'.



CONSTRUCTION COMPLETION REPORT
FORMER CHLOR-ALKALI AREA CORRECTIVE MEASURES IMPLEMENTATION
W.G. KRUMMRICH FACILITY
SAUGET, ILLINOIS

PROJECT NO.
21562122

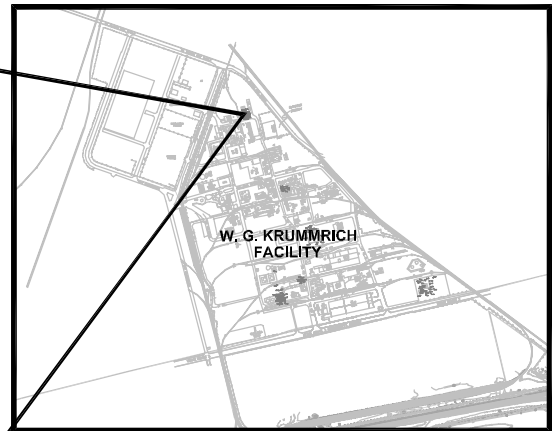
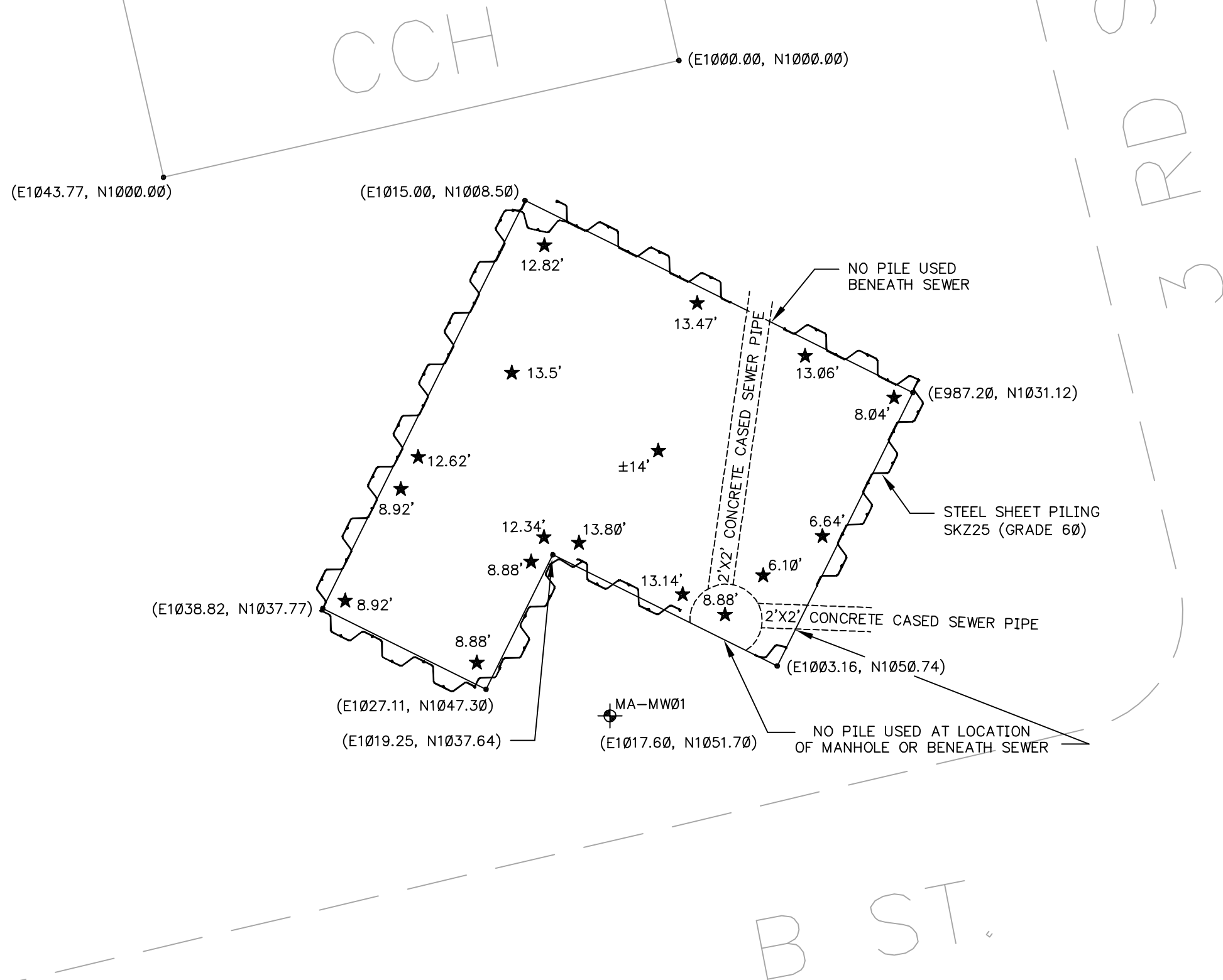
URS

DRN. BY:djd 2/24/09
DSGN. BY:SV
CHKD. BY:SV

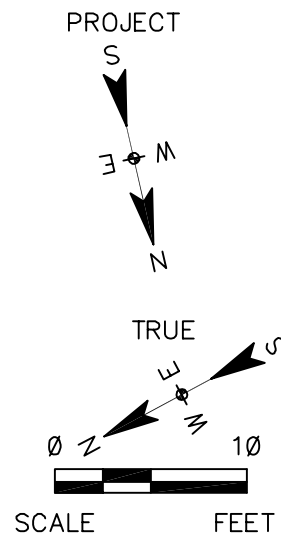
Construction Plan
(With Project Coordinates)

FIG. NO.
2

P:\ENVIRONMENTAL\21562122_MERCURY_AREA_EXCAVATION\E-CONSTRUCTION_COMPLETION_REPORT\CCR_FIGURES\POST_EXCAVATION_FIGURES\FIGURE_3_AS-BUILT_SHEET_PILE_DESIGN.DWG Last edited: 02/25/09 @ 4:09 p.m. WC-ST.LOUIS, MO



- LEGEND**
- PROJECT COORDINATE POINT FOR CONSTRUCTION PLAN (EASTING, NORTHING)
 - EXCAVATION MEASURING POINTS DEPTH
 - MONITORING WELL



CONSTRUCTION COMPLETION REPORT FORMER CHLOR-ALKALI AREA CORRECTIVE MEASURES IMPLEMENTATION W.G. KRUMMRICH FACILITY SAUGET, ILLINOIS		PROJECT NO. 21562122
URS		
DRN. BY:djd 2/24/09 DSGN. BY:SV CHKD. BY:SV	As-Built Construction	FIG. NO. 3

ATTACHMENTS

ATTACHMENT A
PHOTOGRAPHIC LOG



Client Name: Solutia Inc.		Site Location: Sauget, Illinois	Project No. 21562122
Photo No. 1	Date: 02/04/09		
Description: View looking east at area to be excavated.			

Photo No. 2	Date: 02/04/09	
Description: Photograph of worker taking measurements to confirm layout of area to be excavated.		

Client Name: Solutia Inc.	Site Location: Sauget, Illinois	Project No. 21562122
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Photo No. 3	Date: 02/04/09
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Description:

Photograph of initial trenching to expose potential obstructions to the sheet piling installation.



Photo No. 4	Date: 02/05/09
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Description:

Photograph of sheet piling installation.




Client Name: Solutia Inc.		Site Location: Sauget, Illinois	Project No. 21562122
Photo No. 5	Date: 02/06/09		
Description: View looking south at completion of sheet piling installation.			

Photo No. 6	Date: 02/06/09	
Description: Photograph of heavy equipment excavating soil from within sheet piling.		

Client Name: Solutia Inc.		Site Location: Sauget, Illinois	Project No. 21562122
Photo No. 7	Date: 02/09/09		
Description: Photograph of truck loading operation during excavation.			

Photo No. 8	Date: 02/10/09	
Description: Photograph of method used for depth confirmation.		


Client Name: Solutia Inc.		Site Location: Sauget, Illinois	Project No. 21562122
Photo No. 9	Date: 02/10/09		
Description: Photograph of the start of backfill activities.			

Photo No. 10	Date: 02/11/09	
Description: View of operator completing compaction via remote controlled vibratory sheep's foot roller.		

Client Name: Solutia Inc.		Site Location: Sauget, Illinois	Project No. 21562122
Photo No. 11	Date: 02/12/09		
Description: Photograph of compaction being completed with smooth drum roller.			

Photo No. 12	Date: 02/12/09	
Description: Photograph of remaining sheet piling following excavation and backfill activities (subsequently cut off 1 foot below ground surface).		

Client Name:

Solutia Inc.

Site Location:

Sauget, Illinois

Project No.

21562122

Photo No.

13

Date:

02/17/09

Description:

Photograph of surface compaction with smooth drum roller.



Photo No.

14

Date:

02/17/09

Description:

View looking southwest at excavation area following backfill.



ATTACHMENT B
WASTE MANIFESTS

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD00002702		2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114555 JJK	
5. Generator's Name and Mailing Address Soluhia Inc. 500 Monsanto Ave Saugus, IL 62206 Generator's Phone: (618) 482-6545				Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014				U.S. EPA ID Number			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address Miami RLF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:				U.S. EPA ID Number			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.
		1. Not Hazardous by DOT Contaminated Soil		001		12 yds	DT
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank				Signature 		Month Day Year 02 09 09	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.				Port of entry/exit: Date leaving U.S.:		
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Gary H. ...				Signature 		Month Day Year 02 09 09
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name				Signature		Month Day Year
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name L. ...				Signature 		Month Day Year 02 09 09	



Milan RDF
601 Madison
East St Louis, IL 62201
Ph: (618) 271-6783

Original **5313830**
Ticket# 679441

Customer Name PANGEE INC PANGEE INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114555
Destination
PQ
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-GAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 41T113 Volume 20.0
Container
Driver
Check#
Billing # 0001000
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 08:52:41	SCALE1	LSNYDERS		Tare	63560 lb*
Out	02/09/2009 08:52:41		LSNYDERS		Net	31820 lb*
			* Manual Weight		Tons	31740 lb
						15.87

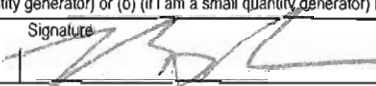
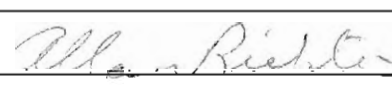
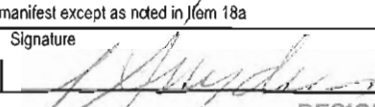
Comments PROFILE WASN'T IN SYSTEM

Product	LDX	Rty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	15.87	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000902702	2. Page 1 of	3. Emergency Response Phone 618-482-5472	4. Manifest Tracking Number 005114556 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-5545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lalere Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. Not Hazardous by DOT Contaminated Soil	001		12 yds	cu	
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information Profile: 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank				Signature 		Month Day Year 02 09 09	
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Allan Richter		Signature 		Month Day Year 2 9 09		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:				U.S. EPA ID Number		
	18b. Alternate Facility (or Generator)						
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name L. Snider				Signature 		Month Day Year 2 9 09	



Milaw RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313334**
Ticket# 679446

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114556

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 40T114

Volume 20.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 08:58:19	SCALE1	LSNYDERS		Tare	69780 lb*
Out	02/09/2009 09:13:25	SCALE1	LSNYDERS		Net	31900 lb
			* Manual Weight		Tons	37880 lb
Comments	PROFILE WASN'T IN SYSTEM					18.94

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.94	Tons				IL

Driver's Signature

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D0003902702	2. Page 1 of	3. Emergency Response Phone 618-482-6473	4. Manifest Tracking Number 005114557 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Saugel, IL 62208 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 501 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. Not Hazardous by DOT Contaminated Soil	001		12 yds	DT		
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile: 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 10/09/09			
16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only):		<input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:					
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Robert Tobin		Signature 		Month Day Year 12/9/09			
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name LSM...		Signature 		Month Day Year 12/9/09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313831**
Ticket# 679444

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114557

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 39T103

Volume 20.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 08:56:52	SCALE1	LSNYDERS		Tare	71260 lb*
Out	02/09/2009 08:56:52		LSNYDERS		Net	33960 lb*
			* Manual Weight		Tons	37300 lb
Comments	PROFILE WASN'T IN SYSTEM					18.65

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.65	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702		2. Page 1 of	3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114558 JJK				
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauger, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)							
6. Transporter 1 Company Name Landra Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address Milam RCF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone:		U.S. EPA ID Number IL ID # 1630450001									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
		1.	Not Hazardous by DOT. Contaminated Soil			001		12 yds	10L		
		2.									
		3.									
	4.										
14. Special Handling Instructions and Additional Information Profile: 102619IL											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offor's Printed/Typed Name D. Shank					Signature 			Month Day Year 02 09 09			
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input checked="" type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:										
	Transporter signature (for exports only):										
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Ryan Schle...					Signature 			Month Day Year 7 7 09		
	Transporter 2 Printed/Typed Name					Signature			Month Day Year		
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number:										
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number					
	Facility's Phone:										
18c. Signature of Alternate Facility (or Generator)								Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.		2.		3.		4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in item 18a											
Printed/Typed Name J. Sander...					Signature 			Month Day Year 12 9 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Originals **5313835**
Ticket# 679443

Customer Name PANGER INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114558
Destination
PO
Profile 102519IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUSET

Carrier SCHAEFER TRUCKING
Vehicle# 10T-Ti Volume 20.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 08:55:07	SCALE1	LSNYDERS		Tare	59200 lb*
Out	02/09/2009 09:15:12	SCALE1	LSNYDERS		Net	30000 lb
			* Manual Weight		Tons	29200 lb
						14.60

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	14.60	Tons				IL

Total Fees
Total Ticket

Driver's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114559 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6768 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. Not Hazardous by DOT Contaminated Soil	001		12 yds	DT		
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile: 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 02/09/09			
16. International Shipments Transporter signature (for exports only):		<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:			
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name GARY HENSON		Signature 		Month Day Year 02/09/09			
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name 		Signature 		Month Day Year 02/09/09			



Milam RDF

5321742

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679485

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114559

Destination

PG

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 09:54:57	SCALE2	SCOLLINS		Tare	63320 lb
Out	02/09/2009 09:54:57		SCOLLINS		Net	31820 lb
					Tons	31500 lb
						15.75

Comments

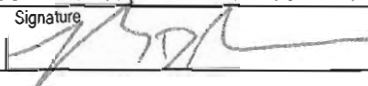
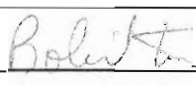
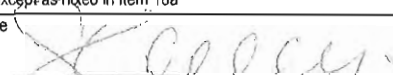
Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	15.75	Tons				IL

Total Fees
Total Ticket

Driver's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000002702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114560 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Solutia Tracking (618) 810-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Miami RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	Not Hazardous by DOT Contaminated Soil	001		12 yd ³	or	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile: 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 02 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Robert Tobin	Signature 	Month Day Year 02 09 09				
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature 		Month Day Year 02 09 09			



Milan RDF

5321743

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679486

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114560
Destination
PO
Profile 102519IL (CONTAMINATED SOIL)
Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 39T103
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

Volume 12.0

Time
In 02/09/2009 09:56:31
Out 02/09/2009 09:56:31

Scale
SCALE2

Operator
SCOLLINS
SCOLLINS

Inbound Gross 66460 lb
Tare 33960 lb
Net 32500 lb
Tons 16.25

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons- 100		16.25	Tons				IL

Total Fees
Total Ticket

river's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000902702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114561 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauget, IL 62208 Generator's Phone: (618) 432-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Store Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. Not Hazardous by DOT Contaminated Soil	001		12-yd ³	DT		
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Brett D. Shuck		Signature 		Month Day Year 02 09 09			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Allen Richter		Signature 		Month Day Year 12 9 09			
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
18b. Alternate Facility (or Generator) Manifest Reference Number: U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name J. Snyder		Signature 		Month Day Year 12 9 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313346**
Ticket# 679486

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114561
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 40T114 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 10:00:14	SCALE1	LSNYDERS		Tare	60700 lb
Out	02/09/2009 10:00:14		LSNYDERS		Net	31900 lb
					Tons	28800 lb
						14.40

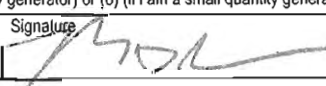
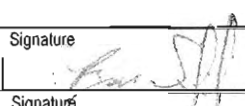
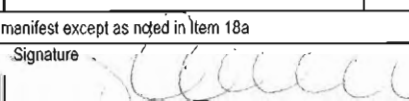
Comments

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	14.40	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000302702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114562 JJK		
5. Generator's Name and Mailing Address Gorrie Inc. 500 Monsanto Ave Sauget, IL 62208 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Labore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6785 Facility's Phone:		U.S. EPA ID Number			IL ID # 1630450001		
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
	1. 100 Hazardous by DOT Contaminated Soil	001		12 x 13	DT		
	2.						
	3.						
4.							
14. Special Handling Instructions and Additional Information Profile 1026191L							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offendor's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 10 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.	Port of entry/exit: _____ Date leaving U.S.: _____					
	Transporter signature (for exports only): _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Brian Schlemmer	Signature 			Month Day Year 3 9 09		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name	Signature			Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature 			Month Day Year 7 15 09		



Milaw RDF

5321749

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679494

Customer Name PANGEA INC PANGEA INC

Carrier SCHAEFER TRUCKING

Ticket Date 02/09/2009

Vehicle# 10T-T1

Volume 12.0

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Check#

Route

Billing # 0001090

State Waste Code

Gen EPA ID

Manifest 005114562

Grid

Destination

PO

Profile 1026191L (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUGET

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 10:05:48	SCALE2	SCOLLINS		Tare	30000 lb
Out	02/09/2009 10:05:48		SCOLLINS		Net	32040 lb
					Tons	16.02

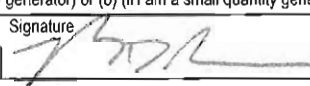
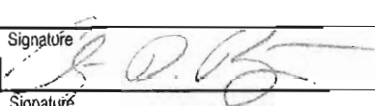
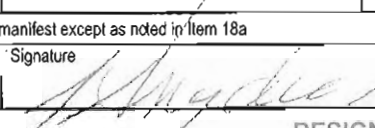
Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.02	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD00002702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114563 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauget, IL 62206 Generator's Phone: (618) 422-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6738 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Not Hazardous by DOT Contaminated Soil		001		8 yd ³	DT	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619/L							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Brett D. Shuk				Signature 		Month Day Year 02 09 09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Clayton Bertelsman				Signature 		Month Day Year 12 9 09	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name B. Snider				Signature 		Month Day Year 2 4 09	



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313855**
Ticket# 679514

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114563

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 36

Volume 10.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 10:25:39	SCALE1	LSNYDERS		Tare	44680 lb
Out	02/09/2009 10:39:05	SCALE1	LSNYDERS		Net	22180 lb
					Tons	22500 lb
						11.25

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons- 100		11.25	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114564 JJK		
5. Generator's Name and Mailing Address Solutia Inc 500 Monsanto Ave Saugel, IL 62206 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lore Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. Not Hazardous by DOT Contaminated Soil	001		8 yd ³	DT	
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information Profile 1Q2619fL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Brett D. Shuck		Signature 		Month Day Year 02 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Darius Shelton		Signature 		Month Day Year 02 09 09		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name L. S. Snyder		Signature 		Month Day Year 02 09 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313856**
Ticket# 679517

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114564

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 35

Volume 8.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

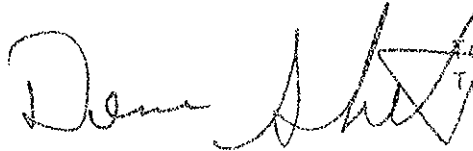
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 10:28:42	SCALE1	LSNYDERS		Tare	45680 lb
Out	02/09/2009 10:40:22	SCALE1	LSNYDERS		Net	22440 lb
					Tons	23240 lb
						11.62

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	11.62	Tons				IL

Driver's Signature


Total Fees
Total Ticket

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000002702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114565 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauger, IL 62208 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafare Trucking (618) 810-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1000450001 Facility's Phone:		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	1. Not Hazardous by DOT Contaminated Soil		001		12 yd ³	DT	
	2.						
	3.						
4.							
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 02 09 09			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name GARY HENSON		Signature 		Month Day Year 02 09 09			
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.							
Printed/Typed Name G		Signature 		Month Day Year 02 09 09			



Milam RDF

5321768

501 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679539

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114565

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 150-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 11:03:39	SCALE2	SCOLLINS		Tare	67560 1b
Out	02/09/2009 11:03:39		SCOLLINS		Net	31820 1b
					Tons	35740 1b
						17.87

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	17.87	Tons				IL

Total Fees
Total Ticket

Driver's Signature
403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114566 JJK		
5. Generator's Name and Mailing Address Goliath Inc. 500 Monsanto Ave Sauget, IL 62208 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lara's Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. Not Hazardous by DOT Contaminated Soil	001		12 yd ³	DT	
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information Profile 1026191L							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shunk		Signature 			Month Day Year 02 09 09		
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Bob Tobin		Signature 		Month Day Year 2 9 09		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:				U.S. EPA ID Number		
	18b. Alternate Facility (or Generator)						
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name S. S. S.		Signature 			Month Day Year 2 9 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-5788

Original **5313866**
Ticket# 679542

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114566
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 39T103 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 11:07:07	SCALE1	LSNYDERS		Tare	73720 1b
Out	02/09/2009 11:07:07		LSNYDERS		Net	33960 1b
					Tons	39760 1b
						19.88

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	19.88	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD0000802702	2. Page 1 of 1	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114567 JJK		
5. Generator's Name and Mailing Address Sciuba Inc. 500 Monsanto Ave. Sauget, IL 62208 Generator's Phone: (618) 482-0545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6798 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. Not Hazardous by DOT Contaminated Soil	001		12 yds	DT	
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information Profile: 102619(t)							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Brett D. Shark		Signature 		Month Day Year 02 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	Transporter signature (for exports only): _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Allan Richter		Signature 		Month Day Year 12 9 09		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone: _____							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. 2. 3. 4.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name S. Snyder		Signature 		Month Day Year 12 9 09			
DESIGNATED FACILITY TO GENERATOR							



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313867**
Ticket# 679547

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114567
Destination
PG
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 40T114 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 11:11:43	SCALE1	LSNYDERS		Tare	69100 lb
Out	02/09/2009 11:11:43		LSNYDERS		Net	31900 lb
					Tons	37200 lb
Comments						18.60

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.60	Tons				IL

Driver's Signature

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114568 JJK	
5. Generator's Name and Mailing Address Solatia Inc. 500 Monsanto Ave. Sauget, IL 62205 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafare Trucking (618) 610-7928 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 Facility's Phone: (618) 271-6788		U.S. EPA ID Number			IL ID # 1630450001	
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Not Hazardous by DOT Contaminated Soil	001		12-13	DT	
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information Profile 1002619IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Brett D. Shunk		Signature 		Month Day Year 02 09 09		
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____			
	Transporter signature (for exports only): _____					
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name Brian Schumacher		Signature 		Month Day Year 2 9 09	
	Transporter 2 Printed/Typed Name		Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Manifest Reference Number: _____					
	18b. Alternate Facility (or Generator)		U.S. EPA ID Number			
	Facility's Phone: _____					
18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name 		Signature 		Month Day Year 2 9 09		



Milwaukee RDF

5321773

201 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679554

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114968

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier SCHAEFER TRUCKING

Vehicle# 10T-T1

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

Volume 12.0

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 11:20:23	SCALE2	SCOLLINS		66620	1b
Out	02/09/2009 11:20:23		SCOLLINS		Tare	30000 1b
					Net	36620 1b
Comments					Tons	18.31

Product	LDS	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.31	Tons				IL

Total Fees
Total Ticket

D1403WM-NS Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D000002702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114569 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62208 Generator's Phone: (618) 482-5545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Labore Trucking (618) 610-7329 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. Not Hazardous by DOT Contaminated Soil	001		8 yd ³	07		
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile: 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name Brett D. Shunk			Signature 		Month 02	Day 09	
16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only):			<input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:		Year 09		
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name x Clayton Bertelsman			Signature 		Month 2	Day 9	
Transporter 2 Printed/Typed Name			Signature		Year 09		
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name 			Signature 		Month 02	Day 09	



Milam RDF

5321774

Ticket# 679556

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 003114569

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUSET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 36

Volume 10.0

Container

Driver

Check#

Billing # 0001092

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 11:28:06	SCALE2	SCOLLINS			49150 lb
Out	02/09/2009 11:22:06		SCOLLINS		Tare	22180 lb
					Net	26980 lb
					Tons	13.49

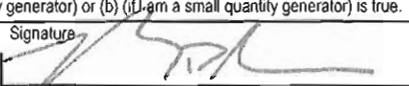
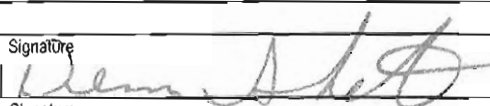
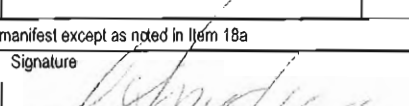
Comments

Product	LD%	Qty	UCM	Rate	Fee	Amount	Origin
1 Special Misc-Tons	100	13.49	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000302702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114570 JJK		
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauger, IL 62200 Generator's Phone: (618) 482-6545 Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lorber Trucking		(618) 610-7979 IL ID # 5014	U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 Facility's Phone: (618) 271-6788		IL ID # 1630450001	U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	Not Hazardous by DOT Contaminated Soil	001		8 yd ³	DT	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102610IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 			Month Day Year 10/09/09		
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	Transporter signature (for exports only):						
DESIGNATED FACILITY	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name X Dennis Shelton		Signature 			Month Day Year 12/9/09	
Transporter 2 Printed/Typed Name		Signature			Month Day Year		
18. Discrepancy							
18a. Discrepancy Indication Space		<input type="checkbox"/> Quantity	<input type="checkbox"/> Type	<input type="checkbox"/> Residue	<input type="checkbox"/> Partial Rejection	<input type="checkbox"/> Full Rejection	
		Manifest Reference Number:					
18b. Alternate Facility (or Generator)		U.S. EPA ID Number					
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)							Month Day Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name L. Stephens		Signature 			Month Day Year 12/9/09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313874**
Ticket# 679563

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114570
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 35 Volume 8.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	45000 lb
In	02/09/2009 11:27:04	SCALE1	LSNYDERS		Tare	22440 lb
Out	02/09/2009 11:27:04		LSNYDERS		Net	23360 lb
					Tons	11.68

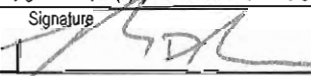
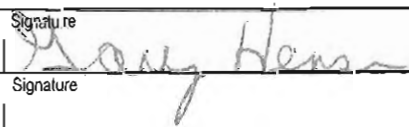
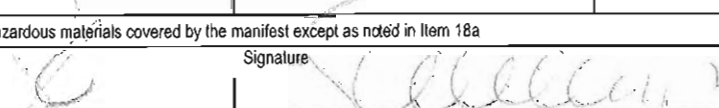
Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	11.68	Tons				IL

 Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILDG00802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114571 JJK	
5. Generator's Name and Mailing Address Sonata Inc 500 Monsanto Ave Sauger, IL 62205 Generator's Phone: (618) 482-8545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 801 Madison Rd East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Not Hazardous by DOT Contaminated Soil	001		12,500 ³	DT	
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information Profile 102618IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 			Month Day Year 02 09 09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name K. GARY HENSON		Signature 			Month Day Year 02 10 09	
Transporter 2 Printed/Typed Name		Signature			Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature 			Month Day Year 02 11 09	



5321320

Milan RDF

681 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679549

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114571

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001030

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 12:57:12	SCALE2	SCOLLINS		Tare	65300 lb
Out	02/09/2009 12:57:12		SCOLLINS		Net	31820 lb
					Tons	33480 lb
						16.74

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.74	Tons				IL

Total Fees
Total Ticket

D403WM-N's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILC000902702	2. Page 1 of	3. Emergency Response Phone 818-482-6478	4. Manifest Tracking Number 005114572 JJK	
5. Generator's Name and Mailing Address Soluba Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafore Trucking (618) 810-7929 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001		U.S. EPA ID Number				
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	Not Hazardous by DOT Contaminated Soil	001		12 yd ³	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Profile: 102619IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 02 09 09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Bob Tobin		Signature 		Month Day Year 2 9 09		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator)		U.S. EPA ID Number				
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a.						
Printed/Typed Name J. Smathers		Signature 		Month Day Year 2 9 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313893**
Ticket# 679650

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114572

Destination

PQ

Profile 1026191L (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 397103

Volume 12.0

Container

Driver

Check#

Billing # 0001030

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 12:58:49	SCALE1	LSNYDERS		Tare	71900 lb
Out	02/09/2009 12:58:49		LSNYDERS		Net	33960 lb
					Tons	37940 lb
						18.97

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.97	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000302702	2. Page 1 of	3. Emergency Response Phone 318-482-6478	4. Manifest Tracking Number 005114573 JJK		
5. Generator's Name and Mailing Address Solube inc 500 Monsanto Ave Sauger, IL 62205 Generator's Phone: (618) 452-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Larore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-8788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. Not Hazardous by DOT Contaminated Soil	001		12yd ³	DT		
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619HL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shunk		Signature 		Month 02	Day 09	Year 09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name X Ryan Schlemmer		Signature 		Month 2	Day 9	Year 09	
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name J Snider		Signature 		Month 11	Day 9	Year 09	



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313890**
Ticket# 679640

Customer Name	PANGEA INC PANGEA INC	Carrier	SCHAEFER TRUCKING	Volume	12.0
Ticket Date	02/09/2009	Vehicle#	10T1		
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0001090		
State Waste Code		Gen EPA ID			
Manifest	005114573	Grid			
Destination					
PO					
Profile	102619IL (CONTAMINATED SOIL)				
Generator	100-SOLUTIA SOLUTIA-SAUGET				

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 12:47:08	SCALE1	LSNYDERS		Tare	61040 lb
Out	02/09/2009 12:47:08		LSNYDERS		Net	29650 lb
					Tons	31380 lb
						15.69

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons- 100	15.69	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD0000202702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114574 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauger, IL 62206 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafara Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-8788 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	Not Hazardous by DOT Contaminated Soil	601		12 yd ³	CT	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shunk			Signature 		Month Day Year 02 09 09		
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name * Allen Richter			Signature 		Month Day Year 2 9 09	
	Transporter 2 Printed/Typed Name			Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator)			U.S. EPA ID Number			
	Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name L. Snyder S			Signature 		Month Day Year 2 9 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313887**
Ticket# 679632

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114574

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 40T114

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 12:41:57	SCALE1	LSNYDERS		Tare	70400 lb
Out	02/09/2009 12:41:57		LSNYDERS		Net	31900 lb
					Tons	38500 lb
						19.25

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	19.25	Tons				IL

Driver's Signature

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6479	4. Manifest Tracking Number 005114575 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Millam RCF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1. Not Hazardous by DOT Contaminated Soil	001		8 yd ³	DT		
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Brett D. Shunk		Signature 		Month Day Year 02 09 09			
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name X. Chyler Bertelsman		Signature 		Month Day Year 2 5 9			
Transporter 2 Printed/Typed Name		Signature		Month Day Year			
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. 2. 3. 4.							
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature 		Month Day Year 2 9 09			



5321815

Milam RDF

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6786

Ticket# 679641

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114575
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 36 Volume 10.0
Container
Driver
Check#
Billing # 0001050
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 12:50:23	SCALE2	SCOLLINS		Tare	49360 lb
Out	02/09/2009 12:50:23		SCOLLINS		Net	22180 lb
					Tons	27180 lb
						13.59

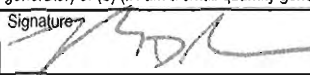
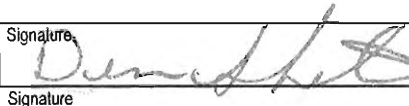
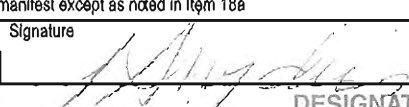
Comments

Product	LOX	Qty	UOM	Rate	Fec	Amount	Origin
1 Special Misc-Tons-	100	13.59	Tons				IL

Total Fees
Total Ticket

D463WM-Ns Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-462-6478	4. Manifest Tracking Number 005114576 JJK			
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauger, IL 62206 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Labore Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address Midam RLP 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	Not Hazardous by DOT Contaminated Soil	001		8yd ³	DT		
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information Profile 10261911								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Burt D. Shank			Signature 		Month Day Year 02 09 09			
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____					
	Transporter signature (for exports only):							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name Dennis Shuck		Signature 		Month Day Year 2 9 09			
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name		Signature		Month Day Year			
	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Manifest Reference Number:							
	18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name Snyder			Signature 		Month Day Year 2 9 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313891**
Ticket# 679645

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114576
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 35 Volume 8.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 12:53:07	SCALE1	LSNYDERS		Tare	42380 lb
Out	02/09/2009 12:53:07		LSNYDERS		Net	22440 lb
					Tons	19940 lb
						9.97

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	9.97	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702		2. Page 1 of		3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114577 JJK				
		5. Generator's Name and Mailing Address Solubia Inc. 500 Monsanto Ave. Sauget, IL 62208 Generator's Phone: (618) 432-6545		Generator's Site Address (if different than mailing address)								
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number										
7. Transporter 2 Company Name		U.S. EPA ID Number										
8. Designated Facility Name and Site Address Miami RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number										
GENERATOR	9a. HM	9b. U.S. DOT Description (Including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		1. Not Hazardous by DOT Contaminated Soil				001		12yd ³	DT			
		2.										
		3.										
		4.										
14. Special Handling Instructions and Additional Information Profile 102619(L)												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offeror's Printed/Typed Name Scott D. Shunk						Signature 		Month Day Year 02 09 09				
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:											
	Transporter signature (for exports only):											
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name Allan Richter						Signature 		Month Day Year 2 9 09			
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name						Signature		Month Day Year			
	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number:											
18b. Alternate Facility (or Generator)						U.S. EPA ID Number						
Facility's Phone:												
18c. Signature of Alternate Facility (or Generator)						Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.		2.		3.		4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name L. Snyder						Signature 		Month Day Year 7 9 07				



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313913**
Ticket# 679673

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114577
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFOR TRUCK SERVICE INC
Vehicle# 40T114 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	70340 lb
In	02/09/2009 13:36:41	SCALE1	LSNYDERS		Tare	31900 lb
Out	02/09/2009 13:36:41		LSNYDERS		Net	38440 lb
					Tons	19.22

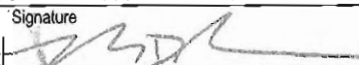
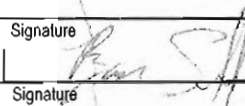
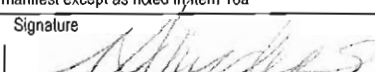
Comments

Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	19.22	Tons				IL

Driver's Signature

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114578 JJK		
		5. Generator's Name and Mailing Address Soluta Inc. 500 Monsanto Ave. Saugel, IL 62206 (618) 482-6545 Generator's Phone:					
		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RLY 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone:		U.S. EPA ID Number IL ID # 1630450001					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	Not Hazardous by DOT Contaminated Soil	001		12 yd ³	DT	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Beth D. Shunk		Signature 		Month Day Year 02 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Ryan Schlemmer	Signature 	Month Day Year 2 7 09				
	Transporter 2 Printed/Typed Name	Signature	Month Day Year				
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number:						
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
	Facility's Phone:						
	18c. Signature of Alternate Facility (or Generator)				Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name J. Smyth		Signature 		Month Day Year 12 9 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313916**
Ticket# 679680

Customer Name	PANGEA INC PANGEA INC	Carrier	SCHAEFER TRUCKING	Volume	12.0
Ticket Date	02/09/2009	Vehicle#	10T1		
Payment Type	Credit Account	Container			
Manual Ticket#		Driver			
Hauling Ticket#		Check#			
Route		Billing #	0001090		
State Waste Code		Gen EPA ID			
Manifest	005114578	Grid			
Destination					
PO					
Profile	102619IL (CONTAMINATED SOIL)				
Generator	180-SOLUTIA SOLUTIA-SAUSET				

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 13:41:45	SCALE1	LSNYDERS		Tare	65780 lb
Out	02/09/2009 13:41:45		LSNYDERS		Net	29660 lb
					Tons	36120 lb
						18.06

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.06	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number LD0003802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114579 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Saugus, IL 62208 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Miami RDC 501 Madison Rd. East St. Louis, IL 62201 (618) 271-8783 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
			No.	Type			
	1.	Not Hazardous by DOT Contaminated Soil	001		8 yd ³	ET	
	2.						
	3.						
4.							
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Bert D. Shunk			Signature 			Month Day Year 02 09 09	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
	Transporter signature (for exports only):						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name Lyle Bertelsman			Signature 		Month Day Year 02 09 09	
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name			Signature		Month Day Year	
	18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)			U.S. EPA ID Number				
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name J Snyder			Signature 			Month Day Year 02 09 09	



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313918**
Ticket# 679685

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114579
Destination
PG
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 36 Volume 10.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 13:45:13	SCALE1	LSNYDERS		Tare	43720 lb
Out	02/09/2009 13:45:13		LSNYDERS		Net	22180 lb
					Tons	21540 lb
						10.77

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	10.77	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000202702		2. Page 1 of		3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114580 JJK				
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauget, IL 62206 Generator's Phone: (618) 482-8545		Generator's Site Address (if different than mailing address)								
6. Transporter 1 Company Name Solutia Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number										
7. Transporter 2 Company Name		U.S. EPA ID Number										
8. Designated Facility Name and Site Address Miami RLF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1.	Not Hazardous by DOT Contaminated Soil				001		8 yd ³	01			
	2.											
	3.											
	4.											
14. Special Handling Instructions and Additional Information Profile: 102619!!												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offero's Printed/Typed Name <u>Brett D. Shank</u>						Signature <u>[Signature]</u>		Month Day Year <u>02 09 09</u>				
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____											
	17. Transporter Acknowledgment of Receipt of Materials											
TRANSPORTER	Transporter 1 Printed/Typed Name <u>X Dennis Shuckton</u>						Signature <u>[Signature]</u>		Month Day Year <u>02 09 09</u>			
	Transporter 2 Printed/Typed Name						Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number: _____											
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number					
	Facility's Phone: _____											
18c. Signature of Alternate Facility (or Generator)								Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.		2.		3.		4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name <u>[Signature]</u>						Signature <u>[Signature]</u>		Month Day Year <u>02 09 09</u>				



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313920**
Ticket# 679690

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114500

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 35

Volume 8.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	45200 lb
In	02/09/2009 13:48:12	SCALE1	LSNYDERS		Tare	22440 lb
Out	02/09/2009 13:48:12		LSNYDERS		Net	22760 lb
					Tons	11.38

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons- 100		11.38	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114581 JJK			
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545				Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014				U.S. EPA ID Number				
7. Transporter 2 Company Name				U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001				U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. Not Hazardous by DOT Contaminated Soil		001		12 x 43	DT	
		2.						
		3.						
		4.						
14. Special Handling Instructions and Additional Information Profile 102619II								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name Brett D. Shank				Signature 		Month Day Year 02 09 09		
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name X GARY HEWSON				Signature 		Month Day Year 02 09 09	
	Transporter 2 Printed/Typed Name				Signature		Month Day Year	
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Manifest Reference Number:							
	18b. Alternate Facility (or Generator) U.S. EPA ID Number							
	Facility's Phone:							
	18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name X				Signature 		Month Day Year 02 09 09		



5321830

Milam RDF

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679698

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114581

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 13:56:23	SCALE2	SCOLLINS		Tare	64440 lb
Out	02/09/2009 13:56:23		SCOLLINS		Net	31820 lb
					Tons	32620 lb
						16.31

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.31	Tons				IL

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000302702		2. Page 1 of	3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114582 JJK						
		5. Generator's Name and Mailing Address Saluda Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)									
6. Transporter 1 Company Name Lafare Trucking		(618) 610-7929 IL ID # 5014		U.S. EPA ID Number									
7. Transporter 2 Company Name				U.S. EPA ID Number									
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 Facility's Phone: (618) 271-6788		IL ID # 1630450001		U.S. EPA ID Number									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes				
	1.	Not Hazardous by DOT Contaminated Soil			001		12yd ³	DT					
	2.												
	3.												
	4.												
14. Special Handling Instructions and Additional Information Profile: 1026181L													
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.													
Generator's/Offor's Printed/Typed Name Brett D. Shink										Signature 		Month Day Year 02 09 09	
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____												
	17. Transporter Acknowledgment of Receipt of Materials												
TRANSPORTER	Transporter 1 Printed/Typed Name X Bob Tobin					Signature 		Month Day Year 02 09 09					
	Transporter 2 Printed/Typed Name					Signature		Month Day Year					
DESIGNATED FACILITY	18. Discrepancy												
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection												
	Manifest Reference Number:												
	18b. Alternate Facility (or Generator) U.S. EPA ID Number												
	Facility's Phone:												
18c. Signature of Alternate Facility (or Generator) Month Day Year													
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
1. 2. 3. 4.													
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a													
Printed/Typed Name L Snodgrass					Signature 		Month Day Year 02 07 09						



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313925**
Ticket# 679705

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114582
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTION SOLUTION-SAUGET

Carrier LA FORE LAFOR TRUCK SERVICE INC
Vehicle# 39T103 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:01:55	SCALE1	LSNYDERS		Tare	63640 lb
Out	02/09/2009 14:01:55		LSNYDERS		Net	33960 lb
					Tons	29680 lb
						14.84

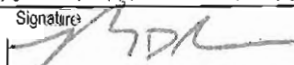

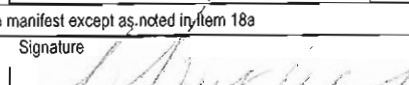
Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	14.84	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114583 JJK				
		5. Generator's Name and Mailing Address Solutia Inc 500 Monsanto Ave. Sauget, IL 62208 Generator's Phone: (618) 482-0545							
		Generator's Site Address (if different than mailing address)							
6. Transporter 1 Company Name Lafare Trucking		(618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name					U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RCF 601 Madison Rd. East St. Louis, IL 62201 Facility's Phone: (618) 271-8788		IL ID # 1630450001			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	Not Hazardous by DOT Contaminated Soil		001		12 yds ³	CU		
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information Profile 10261911									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name Brett D. Shunk				Signature 		Month Day Year 02 09 09			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:						
	Transporter signature (for exports only):								
DESIGNATED FACILITY	17. Transporter Acknowledgment of Receipt of Materials								
	Transporter 1 Printed/Typed Name Allan Richter		Signature 		Month Day Year 2 9 09				
Transporter 2 Printed/Typed Name		Signature		Month Day Year					
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number:								
	18b. Alternate Facility (or Generator)				U.S. EPA ID Number				
	Facility's Phone:								
18c. Signature of Alternate Facility (or Generator)						Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1.		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Sunder				Signature 		Month Day Year 2 9 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6708

Original **5313934**
Ticket# 679721

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114583

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFOR TRUCK SERVICE INC

Vehicle# 40T114

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:27:19	SCALE1	LSNYDERS		Tare	70080 lb
Out	02/09/2009 14:27:19		LSNYDERS		Net	31900 lb
					Tons	19.09

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	19.09	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD0000902702		2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114584 JJK				
		5. Generator's Name and Mailing Address Soluba Inc 500 Monsanto Ave Sagef, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID # 5014						U.S. EPA ID Number				
7. Transporter 2 Company Name						U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milant RDF 901 Madison Rd. East St. Louis, IL 62201 (618) 271-6783 IL ID # 1630450001 Facility's Phone:						U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		1. Not Hazardous by DOT Contaminated Soil			001		12 yd ³	DT		
		2.								
		3.								
		4.								
14. Special Handling Instructions and Additional Information Profile 102613JL										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offor's Printed/Typed Name Brett D. Shink					Signature 		Month Day Year 02 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____									
	17. Transporter Acknowledgment of Receipt of Materials									
TRANSPORTER	Transporter 1 Printed/Typed Name Ryan Schlemmer					Signature 		Month Day Year 7 9 09		
	Transporter 2 Printed/Typed Name					Signature		Month Day Year		
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Manifest Reference Number:									
	18b. Alternate Facility (or Generator) U.S. EPA ID Number									
	Facility's Phone:									
18c. Signature of Alternate Facility (or Generator)							Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
1.		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name					Signature 		Month Day Year 02 09 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313941**
Ticket# 679729

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114584

Destination

PQ

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier SCHAEFER TRUCKING

Vehicle# 10T-T1

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:36:46	SCALE1	SCOLLINS			63180 lb
Out	02/09/2009 14:36:46		SCOLLINS		Tare	30000 lb
					Net	33180 lb
					Tons	16.59

Comments

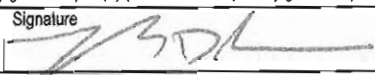
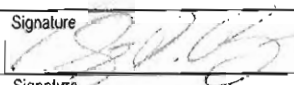
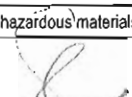
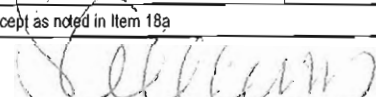
Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.59	Tons				IL

Total Fees
Total Ticket

Driver's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number LD000002702		2. Page 1 of		3. Emergency Response Phone 618-462-6478		4. Manifest Tracking Number 005114585 JJK				
		5. Generator's Name and Mailing Address Solubia Inc. 500 Monsanto Ave Sauget, IL 62206 (618) 462-6545 Generator's Phone:						Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Labore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number										
7. Transporter 2 Company Name		U.S. EPA ID Number										
8. Designated Facility Name and Site Address Miam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
		1. Not Hazardous by DOT Contaminated Soil				001		8 yd ³	DT			
		2.										
		3.										
		4.										
14. Special Handling Instructions and Additional Information Profile: 102619IL												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offor's Printed/Typed Name Brett D. Shank						Signature 		Month 02		Day 09		
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____											
	17. Transporter Acknowledgment of Receipt of Materials											
TRANSPORTER	Transporter 1 Printed/Typed Name K. J. Bertelsman						Signature 		Month 02		Day 09	
	Transporter 2 Printed/Typed Name						Signature		Month		Day	
DESIGNATED FACILITY	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number:											
	18b. Alternate Facility (or Generator) U.S. EPA ID Number											
	Facility's Phone:											
18c. Signature of Alternate Facility (or Generator) Month Day Year												
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.		2.		3.		4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name 						Signature 		Month 02		Day 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313942**
Ticket# 679730

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114505

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIONIA SOLUTIONIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 36

Volume 10.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:30:37	SCALE1	SCOLLINS		Tare	49300 lb
Out	02/09/2009 14:38:37		SCOLLINS		Net	22100 lb
					Tons	27200 lb
						13.60

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	13.60	Tons				IL

Driver's Signature

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000202702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114586 JJK	
5. Generator's Name and Mailing Address Sotusa Inc 500 Monsanto Ave Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lisore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RLF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	lot Hazardous by DOT Contaminated Soil	001		8 yd ³	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Profile 102619L						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Brett D. Shunk		Signature 		Month Day Year 02 09 09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Dennis Shunk		Signature 		Month Day Year 02 09 09		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator)		U.S. EPA ID Number				
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)		Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name SE		Signature 		Month Day Year 02 09 09		



Milam RDF
501 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313944**
Ticket# 679732

Customer Name PANGEA INC PANGEA INC

Carrier LA FORE LAFORE TRUCK SERVICE INC

Ticket Date 02/09/2009

Vehicle# 35

Volume 8.0

Payment Type Credit Account

Container

Manual Ticket#

Driver

Hauling Ticket#

Check#

Route

Billing # 0001090

State Waste Code

Gen EPA ID

Manifest 005114586

Grid

Destination

PQ

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:41:10	SCALE1	SCOLLINS			45840 lb
Out	02/09/2009 14:41:10		SCOLLINS		Tare	22440 lb
					Net	23400 lb
					Tons	11.70

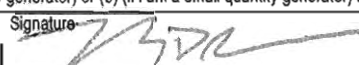
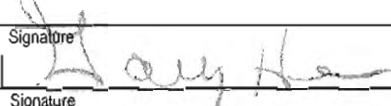

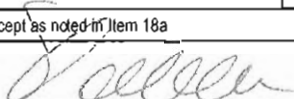
Comments

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons- 100		11.70	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000302702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114587 JJK			
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Savage, IL 62206 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Larrie Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number					
7. Transporter 2 Company Name			U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RUF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number					
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	lot Hazardous by DOT Contaminated Soil	001		12-yd ³	DT		
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information Profile 102619IL								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Officer's Printed/Typed Name Brett D. Shunk			Signature 		Month 02	Day 09	Year 09	
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
	Transporter signature (for exports only): _____							
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials							
	Transporter 1 Printed/Typed Name X GARY HANSON			Signature 		Month 02	Day 09	Year 09
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name			Signature		Month	Day	Year
	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	18b. Alternate Facility (or Generator)			Manifest Reference Number: U.S. EPA ID Number				
	Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month	Day	Year
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name 			Signature 		Month 02	Day 17	Year 07	



Milan RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313949**
Ticket# 679741

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114587
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 100-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 41T113 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:48:47	SCALE1	SCOLLINS		Tare	70400 lb
Out	02/09/2009 14:48:47		SCOLLINS		Net	31820 lb
					Tons	38580 lb
						19.29

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	19.29	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000002702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114588 JJK			
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545					Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name Lapre Trucking (618) 610-7928 IL ID # 5014					U.S. EPA ID Number			
7. Transporter 2 Company Name					U.S. EPA ID Number			
8. Designated Facility Name and Site Address Winnet RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6738 IL ID # 1630450001					U.S. EPA ID Number			
Facility's Phone:								
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	Not Hazardous by DOT Contaminated Soil	001		12yd ³	DT		
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information Profile 102619IL								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name Tom Castello					Signature 		Month Day Year 	
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
	17. Transporter Acknowledgment of Receipt of Materials							
TRANSPORTER	Transporter 1 Printed/Typed Name Bob Tobin					Signature 		Month Day Year 2 9 09
	Transporter 2 Printed/Typed Name					Signature		Month Day Year
DESIGNATED FACILITY	18. Discrepancy							
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
	Manifest Reference Number:							
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number		
	Facility's Phone:							
DESIGNATED FACILITY	18c. Signature of Alternate Facility (or Generator)							
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
	1.	2.	3.	4.				
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name 					Signature 		Month Day Year 2 9 09	



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5313955**
Ticket# 679748

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114588
Destination
PQ
Profile 102619IL (CONTAMINATED SOIL)
Generator 130-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 39T103 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 14:56:51	SCALE1	SCOLLINS		Tare	56860 lb
Out	02/09/2009 14:56:51		SCOLLINS		Net	33960 lb
					Tons	32900 lb
						16.45




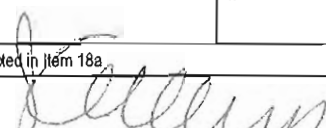
Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons	100	16.45	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618-432-6478	4. Manifest Tracking Number 005114589 JJK		
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Saugat, IL 62208 Generator's Phone: (618) 482-6545					
		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafore Trucking (618) 510-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam ROF 601 Madison Rd East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001		U.S. EPA ID Number					
Facility's Phone:							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	Not Hazardous by DOT Contaminated Soil	001		12 yd ³	01	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information Profile 102619IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Tom Castello		Signature 		Month Day Year 			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____				
	17. Transporter Acknowledgment of Receipt of Materials						
DESIGNATED FACILITY	Transporter 1 Printed/Typed Name Allan Richter		Signature 		Month Day Year 2 9 09		
	Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number: _____							
18b. Alternate Facility (or Generator)		U.S. EPA ID Number					
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)		Month Day Year					
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name 		Signature 		Month Day Year 2 9 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original 5313978
Ticket# 679784

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114589
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 40T114 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 15:30:05	SCALE1	SCOLLINS		66900 lb	
Out	02/09/2009 15:30:05		SCOLLINS		31900 lb	
					Net	35000 lb
					Tons	17.50

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Micro-Tons-	100	17.50	Tons				IL

Total Fees
Total Ticket

Driver's Signature



DESIGNATED FACILITY TO GENERATOR



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original 5313987
Ticket# 679799

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114590
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 36 Volume 10.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 15:42:05	SCALE1	SCOLLINS			44820 lb
Out	02/09/2009 15:42:05		SCOLLINS		Tare	22180 lb
					Net	22640 lb
					Tons	11.32

Comments

Product	LD%	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	11.32	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114591 JJK	
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafare Trucking (618) 810-7929 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-8788 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. Not Hazardous by DOT Contaminated Soil	001		12 yd ³	DOT	
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information Profile 102619IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offoror's Printed/Typed Name Tom Castello		Signature Tom Castello		Month	Day	Year
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit:		Date leaving U.S.:		
17. Transporter Acknowledgment of Receipt of Materials		Signature Ryan Schlemmer		Month	Day	Year
18. Discrepancy		Signature		Month	Day	Year
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection		Manifest Reference Number:		U.S. EPA ID Number		
18b. Alternate Facility (or Generator)		Facility's Phone:		U.S. EPA ID Number		
18c. Signature of Alternate Facility (or Generator)		Month		Day	Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name J. Allen		Signature J. Allen		Month	Day	Year



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original 5313985
Ticket# 679795

Customer Name PANGAEA INC PANGAEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114591
Destination
PO
Profile 1026191L (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier SCHAEFER TRUCKING
Vehicle# 10T-T1 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 15:39:06	SCALE1	SCOLLINS		Tare	64760 lb 30000 lb
Out	02/09/2009 15:39:06		SCOLLINS		Net	34760 lb
					Tons	17.38

Comments

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	17.38	Tons				IL

Total Fees
Total Ticket

Driver's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702		2. Page 1 of	3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114592 JJK	
		5. Generator's Name and Mailing Address Solubat Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Ladore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number						
7. Transporter 2 Company Name		U.S. EPA ID Number						
8. Designated Facility Name and Site Address Miami ROF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone:		U.S. EPA ID Number IL ID # 1630450001						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Not Hazardous by DOT Contaminated Soil	001		8 yd ³	DT			
	2.							
	3.							
	4.							
14. Special Handling Instructions and Additional Information Profile 102619IL								
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.								
Generator's/Offor's Printed/Typed Name <i>Tom Castello</i>		Signature <i>Tom Castello</i>			Month	Day	Year	
16. International Shipments Transporter signature (for exports only):		<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
17. Transporter Acknowledgment of Receipt of Materials		Transporter 1 Printed/Typed Name <i>Dennis Shelton</i>		Signature <i>Dennis Shelton</i>		Month	Day	Year
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year		
18. Discrepancy								
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
Manifest Reference Number:								
18b. Alternate Facility (or Generator) U.S. EPA ID Number								
Facility's Phone:								
18c. Signature of Alternate Facility (or Generator) Month Day Year								
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
1.		2.		3.		4.		
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a								
Printed/Typed Name <i>[Signature]</i>		Signature <i>[Signature]</i>			Month	Day	Year	



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6789

Original **5313388**
Ticket# 679800

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/09/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114592
Destination
PO
Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFDRE TRUCK SERVICE INC
Vehicle# 35 Volume B.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 15:43:28	SCALE1	SCOLLINS		Tare	42720 lb
Out	02/09/2009 15:43:28		SCOLLINS		Net	22440 lb
					Tons	20280 lb
						10.14



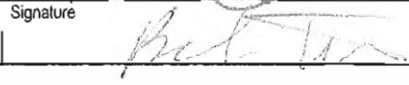
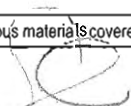
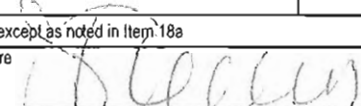
Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	10.14	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000902702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114593 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545			Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014			U.S. EPA ID Number				
7. Transporter 2 Company Name			U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6738 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		1. Ign Hazardous by DOT Contaminated Soil	001		12yd ³		
		2.					
		3.					
		4.					
14. Special Handling Instructions and Additional Information Profile 102618LL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offor's Printed/Typed Name Brett D. Shank		Signature 		Month Day Year 02 09 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
	17. Transporter Acknowledgment of Receipt of Materials						
TRANSPORTER	Transporter 1 Printed/Typed Name Tom Castello		Signature 		Month Day Year 02 09 09		
	Transporter 2 Printed/Typed Name X Bob Tubin		Signature 		Month Day Year 2 9 09		
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	Manifest Reference Number: _____						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name 		Signature 		Month Day Year 02 09 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original 5313994
Ticket# 679805

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114593

Destination

PQ

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 39T103

Volume 12.0

Container

Driver

Check#

Billing # 0001090


Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 15:52:22	SCALE1	SCOLLINS		Tare	63040 lb
Out	02/09/2009 15:52:22		SCOLLINS		Net	33960 lb
					Tons	29000 lb
						14.54

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	14.54	Tons				IL

 Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD00002702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114594 JJK	
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave Sauget, IL 62208 Generator's Phone: (618) 492-0545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Laird Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam ROF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-8788 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number				
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	Not Hazardous by DOT Contaminated Soil	001		12 yd ³	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Profile 1026191L						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Tom Castello		Signature Tom Castello		Month Day Year 12/09/09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:				
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name K GARY HENSON		Signature Gary Henson		Month Day Year 12/09/09		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator)		U.S. EPA ID Number				
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)					Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature		Month Day Year 12/09/09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original 5313993
Ticket# 679804

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/09/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114594

Destination

PQ

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/09/2009 15:50:37	SCALE1	SCOLLINS		Tare	63100 lb
Out	02/09/2009 15:50:37		SCOLLINS		Net	31820 lb
					Tons	31280 lb
						15.64

Comments

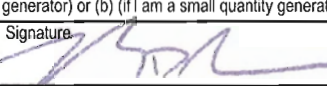
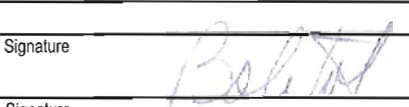
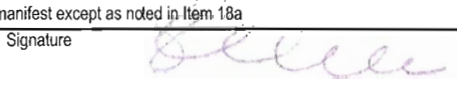
Product	LD%	Qty	UCM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	15.64	Tons				IL

[Handwritten signature]

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number 16000802702		2. Page 1 of		3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 002173992 JJK			
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sageer, IL 62206								Generator's Site Address (if different than mailing address) 618-482-6545	
6. Transporter 1 Company Name A Forac Trucking Co. 618-610-1129		U.S. EPA ID Number 5011									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St Louis IL 62201		U.S. EPA ID Number ILID# 1630450001									
Facility's Phone: 618-271-6788											
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
	1.	NOT Hazardous b, DOT Contaminated Soil			001		12yd³	DT			
	2.										
	3.										
	4.	511 4603 5321942				11. 52.					
14. Special Handling Instructions and Additional Information 10561970 193.94											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offor's Printed/Typed Name Brett D. Shank					Signature 			Month Day Year 02 10 09			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:										
	17. Transporter Acknowledgment of Receipt of Materials										
	Transporter 1 Printed/Typed Name Bob Tobin					Signature 			Month Day Year 2 10 09		
	Transporter 2 Printed/Typed Name					Signature			Month Day Year		
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number:										
	18b. Alternate Facility (or Generator) U.S. EPA ID Number										
	Facility's Phone:										
18c. Signature of Alternate Facility (or Generator)								Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
1.		2.		3.		4.					
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
Printed/Typed Name					Signature 			Month Day Year 2 10 09			



5321904

Milam RDF

001 Madison
East St Louis, IL, 62201
Ph: (619) 271-6788

Ticket# 600063

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/18/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 002173992

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 120-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 39T103

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/18/2009 12:09:58	SCALE2	SCOLLINS			69960 lb
Out	02/18/2009 12:09:58		SCOLLINS		Tare	33960 lb
					Net	36000 lb
					Tons	18.00

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Disc-Tons- 120		18.00	Tons				IL

Total Fees
Total Ticket

0403WM-N's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number		
		ILD000802-702		618-482-6478	002173993 JJK		
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)					
Solutia Inc. 500 Monsanto Ave. Savage IL 62226		618-482-6545					
Generator's Phone:							
6. Transporter 1 Company Name		U.S. EPA ID Number					
Lafore Trucking		618-610-7929 IL ID # 5014					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address		U.S. EPA ID Number					
M. Lam RDF 601 Madison Rd. East St Louis IL 62201		IL ID # 1630450001			618-271-6788		
Facility's Phone:							
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	NOT hazardous by DOT Contaminated Soil	101		12 yd ³	DT		
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information							
Profile: 102619EL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Officer's Printed/Typed Name		Signature			Month	Day Year	
Brett D. Shunk		[Signature]			02	10 09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name		Signature			Month	Day Year	
Allan Richter		[Signature]			10	10 09	
Transporter 2 Printed/Typed Name		Signature			Month	Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator)		U.S. EPA ID Number					
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)					Month	Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature			Month	Day Year	
[Signature]		[Signature]			10	10 09	

Driver Signature



5321918

Original

Milam RDF

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 680087

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 002173993

Destination

PO

Profile 1026191L (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUSET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 40T114

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	62080 lb
In	02/10/2009 12:39:16	SCALE2	SCOLLINS		Tare	31900 lb
Out	02/10/2009 12:39:16		SCOLLINS		Net	30180 lb
					Tons	15.09

Comments

Product	LDX	Qty	UDM	Rate	Fee	Amount	Origin
1 Special Misc-Tons	100	15.09	Tons				IL

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number	
		ILD000802702		618-482-6478	002173994 JJK	
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)				
Solution Inc. 500 Monsanto Ave Sauger IL 62206		618-482-6545				
6. Transporter 1 Company Name		U.S. EPA ID Number				
Lafore Trucking 618-610-7929 IL ID # 5014						
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address		U.S. EPA ID Number				
Milam RDF 601 Madison Rd. East St Louis IL 62201		IL ID # 1630450001			618-271-6788	
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	NOT hazardous by DOT Contaminated Soil	001		12413	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information						
Profile 10261912						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name		Signature		Month	Day	Year
Brett D. Shink		[Signature]		02	10	09
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name		Signature		Month	Day	Year
GARY HENSON		[Signature]		02	10	09
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature		Month	Day	Year
[Signature]		[Signature]		12	10	09

Driver's Signature



Milan RDF

5321919

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 680090

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 002173994

Destination

PQ

Profile 102E191L (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUBET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 12:44:42	SCALE2	SCOLLINS		Tare	66520 lb
Out	02/10/2009 12:44:42		SCOLLINS		Net	31820 lb
					Tons	34700 lb
						17.35

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	17.35	Tons				IL

A large, stylized handwritten signature in black ink, likely belonging to the driver or a representative of the company.

Total Fees
Total Ticket

Driver's Signature
403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000902702		2. Page 1 of	3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114602 JJK			
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)						
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number								
7. Transporter 2 Company Name		U.S. EPA ID Number								
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-8788 IL ID # 1630450001		U.S. EPA ID Number								
Facility's Phone:										
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
					No.	Type				
		1.	Not Hazardous by DOT Contaminated Soil			001		12 x 13	DT	
		2.								
		3.								
	4.									
14. Special Handling Instructions and Additional Information Profile 102619IL										
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.										
Generator's/Offor's Printed/Typed Name Brett D. Shunk					Signature <i>[Signature]</i>		Month Day Year 12 10 09			
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____							
	17. Transporter Acknowledgment of Receipt of Materials									
	Transporter 1 Printed/Typed Name D Gary Hanson				Signature <i>[Signature]</i>		Month Day Year 12 10 09			
	Transporter 2 Printed/Typed Name				Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy									
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
	Manifest Reference Number:									
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number				
	Facility's Phone:									
	18c. Signature of Alternate Facility (or Generator)					Month Day Year				
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)										
	1.	2.	3.	4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a										
Printed/Typed Name <i>[Signature]</i>					Signature <i>[Signature]</i>		Month Day Year 12 10 09			



Milam RDF

5321898

Ticket# 650016

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114602

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-GAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 11:11:03	SCALER	SCOLLINS		Tare	69440 lb
Out	02/10/2009 11:11:03		SCOLLINS		Net	31820 lb
					Tons	37620 lb
						18.81

Comments

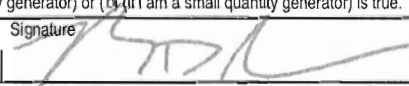
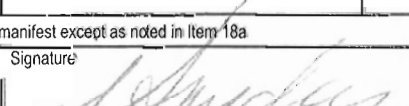
Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons	100	18.81	Tons				IL

Total Fees
Total Ticket

Driver's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D000802702		2. Page 1 of	3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114595 JJK				
		5. Generator's Name and Mailing Address SOLARA INC. 500 Monsanto Ave Sauger, IL 62205 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)							
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450001		U.S. EPA ID Number									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
					No.	Type					
		1.	Not Hazardous by DOT Contaminated Soil			001		12 yd ³	DT		
		2.									
		3.									
	4.										
14. Special Handling Instructions and Additional Information Profile 102619L											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Officer's Printed/Typed Name Brett D. Shink					Signature 			Month Day Year 2 10 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials										
TRANSPORTER	Transporter 1 Printed/Typed Name X Allan Richter					Signature Allan Richter			Month Day Year 2 10 09		
	Transporter 2 Printed/Typed Name					Signature			Month Day Year		
DESIGNATED FACILITY	18. Discrepancy										
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection										
	Manifest Reference Number:										
	18b. Alternate Facility (or Generator)					U.S. EPA ID Number					
	Facility's Phone:										
	18c. Signature of Alternate Facility (or Generator)							Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)											
	1.		2.		3.		4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a											
	Printed/Typed Name L Snyder					Signature 			Month Day Year 2 10 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5325048**
Ticket# 679911

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114595

Destination

PO

Profile 1026191L (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 40T114

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 08:40:13	SCALE1	LSNYDERS		Tare	67040 lb
Out	02/10/2009 08:40:13		LSNYDERS		Net	31900 lb
					Tons	35140 lb
						17.57

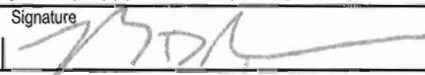
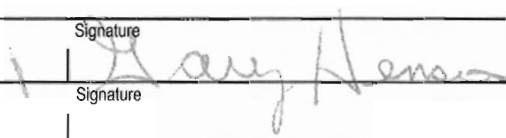
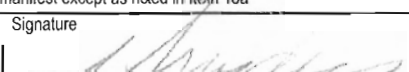
Comments

Product	LDX	Dty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	17.57	Tons				IL

Driver's Signature

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL0000802702		2. Page 1 of		3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114596 JJK				
		5. Generator's Name and Mailing Address Solutis Inc. 500 Monsanto Ave Sauget, IL 62206 (618) 482-6545 Generator's Phone:						Generator's Site Address (if different than mailing address)				
		6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014						U.S. EPA ID Number				
		7. Transporter 2 Company Name						U.S. EPA ID Number				
		8. Designated Facility Name and Site Address Miami RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-5785 IL ID # 1630450001 Facility's Phone:						U.S. EPA ID Number				
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						No.	Type					
		1. Not Hazardous by DOT Contaminated Soil				001		12yd ³	BT			
		2.										
		3.										
	4.											
14. Special Handling Instructions and Additional Information Profile: 102619!!												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offeror's Printed/Typed Name Britt D. Shank						Signature 		Month Day Year 02/10/09				
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____											
	17. Transporter Acknowledgment of Receipt of Materials											
TRANSPORTER	Transporter 1 Printed/Typed Name GARY HENSON						Signature 		Month Day Year 02/10/09			
	Transporter 2 Printed/Typed Name						Signature		Month Day Year			
DESIGNATED FACILITY	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number:											
	18b. Alternate Facility (or Generator) U.S. EPA ID Number											
	Facility's Phone:											
	18c. Signature of Alternate Facility (or Generator)								Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.			2.			3.			4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name Snyder						Signature 		Month Day Year 2/10/09				



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5325049**
Ticket# 679916

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 00S114596

Destination

PO

Profile 1026191L (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 41T113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 08:49:39	SCALE1	LSNYDERS			54040 lb
Out	02/10/2009 08:49:39		LSNYDERS		Tare	31820 lb
					Net	22220 lb
					Tons	11.11

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons- 100		11.11	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL0000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114597 JJK		
5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauger, IL 62206 Generator's Phone: (618) 432-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
1.	Not Hazardous by DOT Contaminated Soil	001		12 yd ³	CT		
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information Profile 102519IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offeror's Printed/Typed Name Brett D. Shank		Signature <i>[Signature]</i>			Month Day Year 12 10 09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name 1306 Tobin		Signature <i>[Signature]</i>			Month Day Year 12 10 09		
Transporter 2 Printed/Typed Name		Signature			Month Day Year		
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Lundgren		Signature <i>[Signature]</i>			Month Day Year 12 10 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6708

Original 5325050
Ticket# 679919

Customer Name PANSEA INC PANSEA INC
Ticket Date 02/10/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 005114597
Destination
PO

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 39T103 Volume 12.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

Profile 102619IL (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 08:55:46	SCALE1	LSNYDERS		Tare	61940 lb
Out	02/10/2009 08:55:46		LSNYDERS		Net	33960 lb
					Tons	27980 lb
						13.99

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	13.99	Tons				IL

Total Fees
Total Ticket

Driver's Signature

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number EID000802702	2. Page 1 of	3. Emergency Response Phone 818-482-6478	4. Manifest Tracking Number 005114598 JJK	
5. Generator's Name and Mailing Address Solutia Inc 500 Monsanto Ave Saugus, IL 62206 Generator's Phone: (815) 452-6545			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name Cadore Trucking (815) 510-7929 IL ID # 5014			U.S. EPA ID Number			
7. Transporter 2 Company Name Same			U.S. EPA ID Number			
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 (613) 271-6738 IL ID # 1630450001 Facility's Phone:			U.S. EPA ID Number			
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.
			No.	Type		
		1. Not Hazardous by DOT Contaminated Soil	001		12 yd	DT
		2.				
		3.				
		4.				
14. Special Handling Instructions and Additional Information Profile 102619IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Brett D. Shunk			Signature 		Month Day Year 2 10 09	
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: _____ Date leaving U.S.: _____			
	17. Transporter Acknowledgment of Receipt of Materials					
	Transporter 1 Printed/Typed Name X) Thomas R. Richter		Signature 		Month Day Year 2 10 09	
Transporter 2 Printed/Typed Name X) Allan Richter		Signature 		Month Day Year 2 10 09		
DESIGNATED FACILITY	18. Discrepancy					
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection					
	Manifest Reference Number: _____					
	18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____					
	Facility's Phone: _____					
18c. Signature of Alternate Facility (or Generator) _____ Month Day Year _____						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name Sunders			Signature 		Month Day Year 12 10 09	



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original **5325069**
Ticket# 679959

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114590

Destination

PQ

Profile 1026191L (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 40T114

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 09:53:10	SCALE1	LSNYDERS			65480 lb
Out	02/10/2009 09:53:10		LSNYDERS		Tare	31900 lb
					Net	33580 lb
					Tons	16.79

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.79	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD0000802702		2. Page 1 of		3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114599 JJK			
		5. Generator's Name and Mailing Address Solatus Inc. 500 Monsanto Ave Saucer, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)							
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID# 5014		U.S. EPA ID Number									
7. Transporter 2 Company Name		U.S. EPA ID Number									
8. Designated Facility Name and Site Address Miami RLF 601 Madison Rd. East St. Louis, IL 62201 (513) 271-6788 Facility's Phone: IL ID# 1630450001		U.S. EPA ID Number									
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
	1.	Not Hazardous by DOT Contaminated Soil				001		12 yd ³	OT		
	2.										
	3.										
	4.										
14. Special Handling Instructions and Additional Information Profile: 102619IL											
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.											
Generator's/Offor's Printed/Typed Name: <u>Burt D. Shunk</u> Signature: <u>[Signature]</u> Month: <u>12</u> Day: <u>10</u> Year: <u>09</u>											
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____										
	17. Transporter Acknowledgment of Receipt of Materials Transporter 1 Printed/Typed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Month: <u>12</u> Day: <u>10</u> Year: <u>09</u> Transporter 2 Printed/Typed Name: <u>GARY HENSON</u> Signature: <u>[Signature]</u> Month: <u>10</u> Day: <u>10</u> Year: <u>09</u>										
DESIGNATED FACILITY	18. Discrepancy 18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection Manifest Reference Number: _____ 18b. Alternate Facility (or Generator) _____ U.S. EPA ID Number _____ Facility's Phone: _____ 18c. Signature of Alternate Facility (or Generator) _____ Month: _____ Day: _____ Year: _____										
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems) 1. _____ 2. _____ 3. _____ 4. _____										
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a Printed/Typed Name: <u>[Signature]</u> Signature: <u>[Signature]</u> Month: <u>12</u> Day: <u>10</u> Year: <u>09</u>										



5321874

Milan RDF

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 679967

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114599

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORD LAFORD TRUCK SERVICE INC

Vehicle# 417113

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 10:00:38	SCALE2	SCOLLINS		64780	lb
Out	02/10/2009 10:00:38		SCOLLINS		31820	lb
					Net	32960 lb
Comments					Tons	16.48

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.48	Tons				IL

Total Fees
Total Ticket



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000802702	2. Page 1 of	3. Emergency Response Phone 618 432-6478	4. Manifest Tracking Number 005114600 JJK	
5. Generator's Name and Mailing Address Solutia Inc 500 Monsanto Ave Sauget, IL 62206 Generator's Phone: (618) 432-8545		Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Lafare Trucking (618) 610-7926 IL ID # 5014		U.S. EPA ID Number				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address Milam RLF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6738 IL ID # 1630450001		U.S. EPA ID Number				
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	Not Hazardous by DOT Contaminated Soil	001		12 yd	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information Profile 102619IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Beth D. Shank		Signature [Signature]		Month Day Year 2 10 09		
16. International Shipments Transporter signature (for exports only):		<input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:		
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name [Signature]		Signature [Signature]		Month Day Year 2 10 09		
Transporter 2 Printed/Typed Name Bob Tobin		Signature [Signature]		Month Day Year 2 10 09		
18. Discrepancy						
18a. Discrepancy Indication Space		<input type="checkbox"/> Quantity <input type="checkbox"/> Type		<input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection		<input type="checkbox"/> Full Rejection
18b. Alternate Facility (or Generator)		Manifest Reference Number:		U.S. EPA ID Number		
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator)				Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name: [Signature]		Signature [Signature]		Month Day Year 2 10 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original 5325076
Ticket# 679979

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114600

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 39T103

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 10:17:24	SCALE1	LSNYDERS		Tare	74960 lb
Out	02/10/2009 10:17:24		LSNYDERS		Net	33960 lb
					Tons	41000 lb
						20.50

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	20.50	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD000002702		2. Page 1 of	3. Emergency Response Phone 618-482-6478		4. Manifest Tracking Number 005114601 JJK		
		5. Generator's Name and Mailing Address Solutia Inc. 500 Monsanto Ave. Sauget, IL 62209 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafare Trucking (618) 610-7929 IL ID # 5014		U.S. EPA ID Number							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd. East St. Louis, IL 62201 (618) 271-6788 Facility's Phone: IL ID # 1630450301		U.S. EPA ID Number							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))			10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1.	Not Hazardous by DOT Contaminated Soil			001		12-d ³	ET	
	2.								
	3.								
	4.								
14. Special Handling Instructions and Additional Information Profile: 102619IL									
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Officer's Printed/Typed Name: <u>Brett D. Shink</u> Signature: <u>[Signature]</u> Month: <u>12</u> Day: <u>10</u> Year: <u>09</u>									
TRANSPORTER	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____								
	17. Transporter Acknowledgment of Receipt of Materials								
TRANSPORTER	Transporter 1 Printed/Typed Name: <u>Allan Richter</u>			Signature: <u>[Signature]</u>			Month: <u>12</u> Day: <u>10</u> Year: <u>09</u>		
	Transporter 2 Printed/Typed Name:			Signature:			Month: Day: Year:		
DESIGNATED FACILITY	18. Discrepancy								
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection								
	Manifest Reference Number:								
	18b. Alternate Facility (or Generator) U.S. EPA ID Number								
	Facility's Phone:								
DESIGNATED FACILITY	18c. Signature of Alternate Facility (or Generator) Month: Day: Year:								
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)								
	1. 2. 3. 4.								
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name: Signature: Month: Day: Year: <u>12/10/09</u>									

Driver's Signature



Milam RDF

5321891

501 Madison
East St Louis, IL, 62201
Ph: (516) 271-6780

Ticket# 580001

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114601

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 130-SOLUTION SOLUTION-SAUSSET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 401114

Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 10:51:19	SCALE2	SCOLLINS		Tare	65360 lb
Out	02/10/2009 10:51:19		SCOLLINS		Net	31900 lb
					Tons	20460 lb
						15.73

Comments

Product	LOS	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	15.73	Tons				IL

Total Fees
Total Ticket

Driver's Signature

403WM-N



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number IL D000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 005114603 JJK		
5. Generator's Name and Mailing Address Soluta Inc. 500 Monsanto Ave. Saugat, IL 62206 Generator's Phone: (618) 482-6545		Generator's Site Address (if different than mailing address)					
6. Transporter 1 Company Name Lafore Trucking (618) 610-7929 IL ID # 5012		U.S. EPA ID Number					
7. Transporter 2 Company Name		U.S. EPA ID Number					
8. Designated Facility Name and Site Address Milam RDF 601 Madison Rd East St. Louis, IL 62201 (618) 271-0788 IL ID # 1630450001 Facility's Phone:		U.S. EPA ID Number					
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
1.	Not Hazardous by DOT Contaminated Soil	001		byd ³	DT		
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information Profile 102G19IL							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name Tom Castello		Signature Tom Castello		Month 2	Day 10	Year 09	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Bob Tobin		Signature Bob Tobin		Month 2	Day 10	Year 09	
Transporter 2 Printed/Typed Name		Signature		Month	Day	Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator) Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1.	2.	3.	4.				
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name		Signature		Month	Day	Year	



Milam RDF

5321942

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 680121

Customer Name PANGER INC PANGER INC

Ticket Date 02/10/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 005114600

Destination

PO

Profile 1026191L (CONTAMINATED SOIL)

Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFOR TRUCK SERVICE INC

Vehicle# 307103 Volume 12.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/10/2009 13:27:24	SCALER	SCOLLINS		Tare	57000 lb
Out	02/10/2009 13:27:24		SCOLLINS		Net	33960 lb
					Tons	23040 lb
						11.52

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	11.52	Tons				IL

Total Fees
Total Ticket

D4d3WM-N's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number	
		ILD0000802702		618-482-6478	002173995 JJK	
5. Generator's Name and Mailing Address		Generator's Site Address (if different than mailing address)				
Solutia Inc. 500 Monsanto Ave. Sargeant IL 62206		618-482-6545				
Generator's Phone:						
6. Transporter 1 Company Name		Before Trucking 618-610-7929 ILID # 5014			U.S. EPA ID Number	
7. Transporter 2 Company Name					U.S. EPA ID Number	
8. Designated Facility Name and Site Address		ILID # 1630450001			U.S. EPA ID Number	
M-lan RDF 601 Madison Rd East St Louis 62201		618-271-6788				
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
1.	NOT Hazardous by DOT Contaminated Sol	001			DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information						
102 419 IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name		Signature			Month	Day Year
Brett D. Shank		[Signature]			02	10 09
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name		Signature			Month	Day Year
Dennis Shelton		[Signature]			12	12 09
Transporter 2 Printed/Typed Name		Signature			Month	Day Year
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name		Signature			Month	Day Year
[Signature]		[Signature]			11	11 09



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original
Ticket# 5325327

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/12/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 002173995

Destination

PO

Profile 102619IL (CONTAMINATED SOIL)

Generator 180-SOLLITIA SOLLITIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC

Vehicle# 35

Volume 8.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

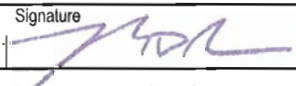

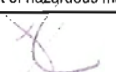
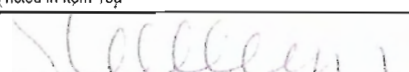
	Time	Scale	Operator	Inbound	Gross	
In	02/12/2009 13:26:49	SCALE1	SCOLLINS		Tare	57680 lb*
Out	02/12/2009 13:26:49		SCOLLINS		Net	22440 lb*
			* Manual Weight		Tons	35240 lb 17.62

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	17.62	Tons				IL

Total Fees
Total Ticket

Driver's Signature

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILB000802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 002173996 JJK	
5. Generator's Name and Mailing Address SOLUTIA INC 300 MONSANTO AVE SAUGEY, IL 62206			Generator's Site Address (if different than mailing address) 618-482-6545			
6. Transporter 1 Company Name LA FORE TRUCKING			U.S. EPA ID Number 618-610-7929 IL ID# 5014			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address MILAM RFD 601 MADISON RD EAST ST. LOUIS IL 62201			U.S. EPA ID Number IL ID# 1630450001			
Facility's Phone: 618-271-6788						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	NOT HAZARDOUS BY DOT CONTAMINATED SOIL	001	YD	8	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information WASTE PROFILE # 102619 IL						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offor's Printed/Typed Name Brett D. Shink		Signature 		Month Day Year 10 10 09		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Dennis Shelton		Signature 		Month Day Year 12 12 09		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name 		Signature 		Month Day Year 12 12 09		



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original
Ticket# 5925348
Ticket# 680798

Customer Name PANGEA INC PANGEA INC

Ticket Date 02/12/2009

Payment Type Credit Account

Manual Ticket#

Hauling Ticket#

Route

State Waste Code

Manifest 002173996

Destination

PG

Profile 1026191L (CONTAMINATED SOIL)

Generator 100-SOLUTIA SOLUTIA-SAUBET

Carrier LA FORD LAFORD TRUCK SERVICE INC

Vehicle# 35

Volume 5.0

Container

Driver

Check#

Billing # 0001090

Gen EPA ID

Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/12/2009 14:23:56	SCALE1	SCOLLINS		Tare	54560
Out	02/12/2009 14:23:56		SCOLLINS		Net	22440
					Tons	32120
Comments						16.

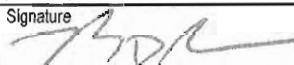
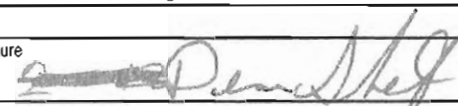
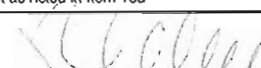
Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	16.06	Tons				IL

Don AD

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD 000802702		2. Page 1 of		3. Emergency Response Phone 618.482.6478		4. Manifest Tracking Number 002173998 JJK				
		5. Generator's Name and Mailing Address SOLUTION INC 500 MONSANTO AVE SAUGET IL 60206		Generator's Site Address (if different than mailing address) 618.482.6545								
6. Transporter 1 Company Name LA FORE TRUCKING		618.610.7929		IL ID # 5014		U.S. EPA ID Number						
7. Transporter 2 Company Name						U.S. EPA ID Number						
8. Designated Facility Name and Site Address MILAM RFD 601 MADISON RD EAST ST LOUIS IL 62201		618.271.6788		IL ID # 1630450001		U.S. EPA ID Number						
Facility's Phone:												
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))				10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
						No.	Type					
	1.	NOT HAZARDOUS BY DOT CONTAMINATED SOIL				001	YD	8	DT			
	2.											
	3.											
4.												
14. Special Handling Instructions and Additional Information WASTE PROFILE # 102619 IL.												
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.												
Generator's/Offor's Printed/Typed Name Brett D. Shink						Signature 			Month Day Year 02 10 09			
INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____											
	Transporter signature (for exports only): _____											
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials											
	Transporter 1 Printed/Typed Name Dennis Shink						Signature 			Month Day Year 2 12 09		
DESIGNATED FACILITY	Transporter 2 Printed/Typed Name						Signature			Month Day Year		
	18. Discrepancy											
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection											
	Manifest Reference Number: _____											
	18b. Alternate Facility (or Generator)						U.S. EPA ID Number					
Facility's Phone: _____												
18c. Signature of Alternate Facility (or Generator)									Month Day Year			
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)												
1.		2.		3.		4.						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a												
Printed/Typed Name [Signature]						Signature 			Month Day Year 2 12 09			



Milam RDF
601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Original
Ticket# 5925361

Customer Name PANGEA INC PANGEA INC
Ticket Date 02/12/2009
Payment Type Credit Account
Manual Ticket#
Hauling Ticket#
Route
State Waste Code
Manifest 002173998
Destination
PO
Profile 1026191L (CONTAMINATED SOIL)
Generator 180-SOLUTIA SOLUTIA-SAUGET

Carrier LA FORE LAFORE TRUCK SERVICE INC
Vehicle# 35 Volume 8.0
Container
Driver
Check#
Billing # 0001090
Gen EPA ID
Grid

	Time	Scale	Operator	Inbound	Gross	
In	02/12/2009 15:20:21	SCALE1	SCOLLINS		Tare	59600 1
Out	02/12/2009 15:20:21		SCOLLINS		Net	22440 1
					Tons	37160 1
						18.5

Comments

Product	LD%	Qty	UOM	Rate	Fee	Amount	Origin
1 Special Misc-Tons-	100	18.58	Tons				IL

Total Fees
Total Ticket

Driver's Signature



UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number ILD 006802702	2. Page 1 of	3. Emergency Response Phone 618-482-6478	4. Manifest Tracking Number 002173997 JJK	
5. Generator's Name and Mailing Address SOLUTION INC 500 MONSANTO AVE SAUGET IL 60206 618-482-6545			Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name LAFORE TRUCKING 618-610-7929 IL ID# 5014			U.S. EPA ID Number			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address MILAM RFD 601 MADISON RD EAST ST. LOUIS, IL 62201 618-271-6788			U.S. EPA ID Number IL ID# 1630450001			
Facility's Phone:						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No. Type		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
1.	NOT HAZARDOUS BY DOT CONTAMINATED SOIL/DEBRIS	5001	YD	8	DT	
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information WASTE PROFILE # 102619 IL.						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name Brett D. Shunk			Signature [Signature]		Month 02	Day 10
16. International Shipments <input type="checkbox"/> Import to U.S. Transporter signature (for exports only):			<input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:		Year 09	
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name Allan Richter			Signature [Signature]		Month 2	Day 17
Transporter 2 Printed/Typed Name			Signature		Year 09	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number:						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone:						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1.	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name [Signature]			Signature [Signature]		Month 12	Day 10
					Year 09	

each waste and the appropriate abbreviation from Table 1
CONTAINERS



Milam RDF

5322371

601 Madison
East St Louis, IL, 62201
Ph: (618) 271-6788

Ticket# 681706

Customer Name	PANSEA INC PANSEA INC	Carrier	LA FORE	LAFORE TRUCK SERVICE INC
Ticket Date	02/17/2009	Vehicle#	40T102	Volume 20.0
Payment Type	Credit Account	Container		
Manual Ticket#		Driver		
Hauling Ticket#		Check#		
Route		Billing #	0001090	
State Waste Code		Gen EPA ID		
Manifest	002173997	Grid		
Destination				
PO				
Profile	102619IL (CONTAMINATED SOIL)			
Generator	180-SOLUTIA SOLUTIA-SAUGET			

	Time	Scale	Operator	Inbound	Gross	
In	02/17/2009 10:56:46	SCALE2	SCOLLINS		Tare	40280 lb 33160 lb
Out	02/17/2009 10:56:46		SCOLLINS		Net	7120 lb
					Tons	3.56

Comments

Product	LDX	Qty	UOM	Rate	Fee	Amount	Origin
1	Special Misc-Tons	100	3.56 Tons				IL

Total Fees
Total Ticket

Driver's Signature
403WM-N



ATTACHMENT C
BACKFILL MATERIAL INFORMATION



SCI ENGINEERING, INC.

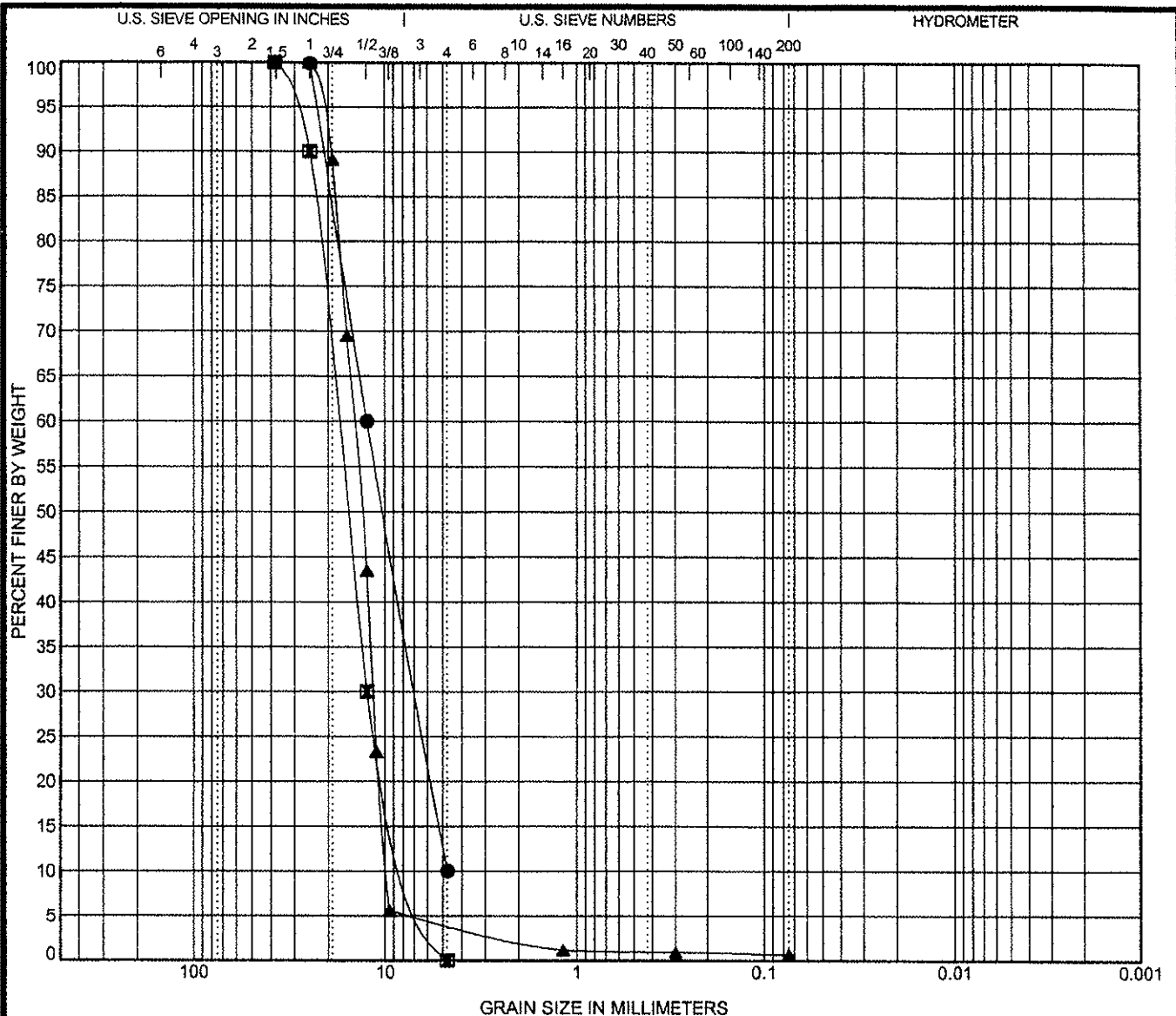
CONSULTANTS IN DEVELOPMENT,
DESIGN AND CONSTRUCTION
GEOTECHNICAL
ENVIRONMENTAL
NATURAL RESOURCES
CULTURAL RESOURCES
CONSTRUCTION SERVICES

Sieve Analysis - Gradation by Weight Solutia Chlor/Alky Remediation SCI No. 2009-3040.00 Falling Springs Quarry - CM7

Moisture Content	
Wet Weight (g)	7177.0
Tare No.:	B-1
Tare Weight (gms):	504.0
Dry Weight (gms):	6673.0
%Moisture	8.2

Sample Received: 2/10/2009
Sample Tested: 2/10/2009

U.S. Standard Sieve Size	Weight Retained (grams)	Cumulative Weight Retained (grams)	Cumulative Percent Retained	Percent Passing	Specification Percent Passing
1.5 inch	0	0	0	100	100
1 inch	0	0	0	100	90-100
3/4 inch	726	726	11	89	-
5/8 inch	1308	2034	30	70	-
1/2 inch	1738	3772	57	43	30-60
3/8 inch	1346	5118	77	23	-
No. 4	1182	6300	94	6	0-10
No. 16	295	6595	99	1	-
No. 50	16	6611	99	1	-
No. 200	21.5	6633	99	1	-
Pan	40.0	6673	100	0	-



COBBLES	GRAVEL		SAND			SILT OR CLAY
	coarse	fine	coarse	medium	fine	

Specimen Identification			Classification					LL	PL	PI	Cc	Cu
●	Max Spec	0									0.82	2.63
☒	Min Spec	0									1.35	2.70
▲	Sample	0									0.93	1.48
Specimen ID		Date	D100	D60	D30	D10	%Gravel	%Sand	%Silt	%Clay		
●	Max Spec	0	2/10/2009	38.1	12.5	6.995	4.75	90.0				
☒	Min Spec	0	2/10/2009	38.1	17.678	12.5	6.558	100.0				
▲	Sample	0	2/10/2009	25	14.62	11.616	9.897	95.9	3.5	0.6		



SCI Engineering, Inc.
650 Pierce Blvd.
O'Fallon, Illinois 62269
Telephone: 618-624-6969
Fax: 618-624-7099

GRAIN SIZE DISTRIBUTION

Project Name: Solutia Chlor/Alky Remediation
Contract No: Sauget, Illinois
SCI Project No.: 2009-3040.00



PDC Laboratories, Inc.

P.O. Box 9071 • Peoria IL 61612-9071

(309) 692-9689 • (800) 752-6651 • FAX (309) 692-9689



Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

Sample Preparation	Result	Units	Date/Time	Analyst
			19-Jan-09 12:00	AMG2
SM (18) 2540B	Result	Units	Date/Time	Analyst
Moisture	1.5	%	19-Jan-09 11:42	jrb
SM 4500-CN C, G	Result	Units	Date/Time	Analyst
Cyanide, Total	<	1.2 mg/kg	27-Jan-09 14:54	lgair
Cyanide, Total	<	1.3 mg/kg Dry	27-Jan-09 14:54	lgair
SW-846 3051	Result	Units	Date/Time	Analyst
Sample Preparation			23-Jan-09 10:00	BAB
SW-846 6010B R2.0	Result	Units	Date/Time	Analyst
Aluminum	310	mg/kg	27-Jan-09 10:00	KJP
Aluminum	310	mg/kg Dry	27-Jan-09 10:00	KJP
Iron	770	mg/kg	27-Jan-09 10:00	KJP
Iron	780	mg/kg Dry	27-Jan-09 10:00	KJP
SW-846 6020	Result	Units	Date/Time	Analyst
Antimony	<	3 mg/kg	28-Jan-09 9:47	JMW
Antimony	<	3 mg/kg Dry	28-Jan-09 9:47	JMW
Arsenic	<	1 mg/kg	28-Jan-09 9:47	JMW
Arsenic	<	1 mg/kg Dry	28-Jan-09 9:47	JMW
Barium	8.6	mg/kg	28-Jan-09 9:47	JMW
Barium	8.7	mg/kg Dry	28-Jan-09 9:47	JMW
Beryllium	<	1 mg/kg	28-Jan-09 9:47	JMW
Beryllium	<	1 mg/kg Dry	28-Jan-09 9:47	JMW
Cadmium	<	1 mg/kg	28-Jan-09 9:47	JMW
Cadmium	<	1 mg/kg Dry	28-Jan-09 9:47	JMW
Calcium	310000	mg/kg	28-Jan-09 9:47	JMW
Calcium	310000	mg/kg Dry	28-Jan-09 9:47	JMW
Chromium	5	mg/kg	28-Jan-09 9:47	JMW
Chromium	5	mg/kg Dry	28-Jan-09 9:47	JMW
Cobalt	<	2 mg/kg	28-Jan-09 9:47	JMW
Cobalt	<	2 mg/kg Dry	28-Jan-09 9:47	JMW



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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 6020

	Result	Units	Date/Time	Analyst
Copper	<	3 mg/kg	29-Jan-09 8:22	JMW
Copper	<	3 mg/kg Dry	29-Jan-09 8:22	JMW
Lead		1.3 mg/kg	28-Jan-09 9:47	JMW
Lead		1.4 mg/kg Dry	28-Jan-09 9:47	JMW
Magnesium		17000 mg/kg	28-Jan-09 9:47	JMW
Magnesium		17000 mg/kg Dry	28-Jan-09 9:47	JMW
Manganese		59 mg/kg	28-Jan-09 9:47	JMW
Manganese		60 mg/kg Dry	28-Jan-09 9:47	JMW
Mercury	<	0.2 mg/kg	28-Jan-09 9:47	JMW
Mercury	<	0.2 mg/kg Dry	28-Jan-09 9:47	JMW
Nickel		20 mg/kg	28-Jan-09 9:47	JMW
Nickel		21 mg/kg Dry	28-Jan-09 9:47	JMW
Potassium		200 mg/kg	28-Jan-09 9:47	JMW
Potassium		200 mg/kg Dry	28-Jan-09 9:47	JMW
Selenium	<	1 mg/kg	28-Jan-09 9:47	JMW
Selenium	<	1 mg/kg Dry	28-Jan-09 9:47	JMW
Silver	<	5 mg/kg	28-Jan-09 9:47	JMW
Silver	<	5.1 mg/kg Dry	28-Jan-09 9:47	JMW
Sodium		160 mg/kg	28-Jan-09 9:47	JMW
Sodium		170 mg/kg Dry	28-Jan-09 9:47	JMW
Thallium	<	1 mg/kg	28-Jan-09 9:47	JMW
Thallium	<	1 mg/kg Dry	28-Jan-09 9:47	JMW
Vanadium	<	5 mg/kg	28-Jan-09 9:47	JMW
Vanadium	<	5.1 mg/kg Dry	28-Jan-09 9:47	JMW
Zinc		21 mg/kg	28-Jan-09 9:47	JMW
Zinc		22 mg/kg Dry	28-Jan-09 9:47	JMW

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
4,4'-DDD	<	16 ug/kg	22-Jan-09 2:19	JMT
4,4'-DDE	Q<	16 ug/kg	22-Jan-09 2:19	JMT
4,4'-DDT	<	16 ug/kg	22-Jan-09 2:19	JMT
Aldrin	<	8 ug/kg	22-Jan-09 2:19	JMT
alpha-BHC	<	0.35 ug/kg	22-Jan-09 2:19	JMT

**PDC Laboratories, Inc.**

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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
beta-BHC	<	8 ug/kg	22-Jan-09 2:19	JMT
Chlordane (technical)	<	160 ug/kg	22-Jan-09 2:19	JMT
delta-BHC	<	8 ug/kg	22-Jan-09 2:19	JMT
Dieldrin	<	2 ug/kg	22-Jan-09 2:19	JMT
Endosulfan I	<	8 ug/kg	22-Jan-09 2:19	JMT
Endosulfan II	<	16 ug/kg	22-Jan-09 2:19	JMT
Endosulfan Sulfate	<	16 ug/kg	22-Jan-09 2:19	JMT
Endrin	<	16 ug/kg	22-Jan-09 2:19	JMT
Endrin Aldehyde	Q<	16 ug/kg	22-Jan-09 2:19	JMT
gamma-BHC (Lindane)	<	5 ug/kg	22-Jan-09 2:19	JMT
Heptachlor	<	8 ug/kg	22-Jan-09 2:19	JMT
Heptachlor Epoxide	<	8 ug/kg	22-Jan-09 2:19	JMT
Methoxychlor	<	80 ug/kg	22-Jan-09 2:19	JMT
Toxaphene	<	80 ug/kg	22-Jan-09 2:19	JMT

SW-846 8082

Sample Preparation

Result	Units	Date/Time	Analyst
		19-Jan-09 12:00	AMG2

SW-846 8082 R0.0

	Result	Units	Date/Time	Analyst
Aroclor 1016	<	0.08 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1016	<	0.081 mg/kg Dry	21-Jan-09 22:22	JMT
Aroclor 1221	<	0.16 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1221	<	0.16 mg/kg Dry	21-Jan-09 22:22	JMT
Aroclor 1232	<	0.08 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1232	<	0.081 mg/kg Dry	21-Jan-09 22:22	JMT
Aroclor 1242	<	0.08 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1242	<	0.081 mg/kg Dry	21-Jan-09 22:22	JMT
Aroclor 1248	<	0.08 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1248	<	0.081 mg/kg Dry	21-Jan-09 22:22	JMT
Aroclor 1254	<	0.16 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1254	<	0.16 mg/kg Dry	21-Jan-09 22:22	JMT
Aroclor 1260	<	0.16 mg/kg	21-Jan-09 22:22	JMT
Aroclor 1260	<	0.16 mg/kg Dry	21-Jan-09 22:22	JMT
PCBs Total	<	0.8 mg/kg	21-Jan-09 22:22	JMT

**PDC Laboratories, Inc.**

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8082 R0.0

PCBs Total

	Result	Units	Date/Time	Analyst
<	0.81	mg/kg Dry	21-Jan-09 22:22	JMT

SW-846 8260B R2.0

1,1,1-Trichloroethane

	Result	Units	Date/Time	Analyst
<	0.0044	mg/kg	20-Jan-09 13:56	AMG

1,1,1-Trichloroethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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1,1,2,2-Tetrachloroethane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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1,1,2,2-Tetrachloroethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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1,1,2-Trichloroethane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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1,1,2-Trichloroethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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1,1-Dichloroethane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
---	--------	-------	-----------------	-----

1,1-Dichloroethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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1,1-Dichloroethane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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1,1-Dichloroethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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1,2-Dichloroethane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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1,2-Dichloroethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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1,2-Dichloropropane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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1,2-Dichloropropane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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2-Butanone

<	0.0088	mg/kg	20-Jan-09 13:56	AMG
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2-Butanone

<	0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
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2-Hexanone

<	0.0088	mg/kg	20-Jan-09 13:56	AMG
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2-Hexanone

<	0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
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4-Methyl-2-pentanone

<	0.0088	mg/kg	20-Jan-09 13:56	AMG
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4-Methyl-2-pentanone

<	0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
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Acetone

<	0.0088	mg/kg	20-Jan-09 13:56	AMG
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Acetone

<	0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
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Benzene

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
---	--------	-------	-----------------	-----

Benzene

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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Bromodichloromethane

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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Bromodichloromethane

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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Bromoform

<	0.0044	mg/kg	20-Jan-09 13:56	AMG
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Bromoform

<	0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
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Bromomethane

<	0.0088	mg/kg	20-Jan-09 13:56	AMG
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Bromomethane

<	0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
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PDC Laboratories, Inc.

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(309) 692-9688 • (800) 752-6851 • FAX (309) 692-9689



Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Carbon Disulfide	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Carbon Disulfide	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Carbon Tetrachloride	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Carbon Tetrachloride	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Chlorobenzene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Chlorobenzene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Chloroethane	< 0.0088	mg/kg	20-Jan-09 13:56	AMG
Chloroethane	< 0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
Chloroform	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Chloroform	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Chloromethane	< 0.0088	mg/kg	20-Jan-09 13:56	AMG
Chloromethane	< 0.0089	mg/kg Dry	20-Jan-09 13:56	AMG
cis-1,2-Dichloroethene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
cis-1,2-Dichloroethene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
cis-1,3-Dichloropropene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
cis-1,3-Dichloropropene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Dibromochloromethane	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Dibromochloromethane	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Ethylbenzene	< 0.0018	mg/kg	20-Jan-09 13:56	AMG
Ethylbenzene	< 0.0018	mg/kg Dry	20-Jan-09 13:56	AMG
m,p-Xylene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
m,p-Xylene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Methylene Chloride	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Methylene Chloride	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Methyl-tert-Butyl Ether	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Methyl-tert-Butyl Ether	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
o-Xylene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
o-Xylene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Styrene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Styrene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Tetrachloroethene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG
Tetrachloroethene	< 0.0045	mg/kg Dry	20-Jan-09 13:56	AMG
Toluene	< 0.0044	mg/kg	20-Jan-09 13:56	AMG



PDC Laboratories, Inc.

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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Toluene	<	0.0045 mg/kg Dry	20-Jan-09 13:56	AMG
trans-1,2-Dichloroethene	<	0.0044 mg/kg	20-Jan-09 13:56	AMG
trans-1,2-Dichloroethene	<	0.0045 mg/kg Dry	20-Jan-09 13:56	AMG
trans-1,3-Dichloropropene	<	0.0044 mg/kg	20-Jan-09 13:56	AMG
trans-1,3-Dichloropropene	<	0.0045 mg/kg Dry	20-Jan-09 13:56	AMG
Trichloroethene	<	0.0044 mg/kg	20-Jan-09 13:56	AMG
Trichloroethene	<	0.0045 mg/kg Dry	20-Jan-09 13:56	AMG
Vinyl Chloride	<	0.0088 mg/kg	20-Jan-09 13:56	AMG
Vinyl Chloride	<	0.0089 mg/kg Dry	20-Jan-09 13:56	AMG
Xylenes (Total)	<	0.0088 mg/kg	20-Jan-09 13:56	AMG
Xylenes (Total)	<	0.0089 mg/kg Dry	20-Jan-09 13:56	AMG

SW-846 8270C

	Result	Units	Date/Time	Analyst
Sample Preparation			19-Jan-09 11:55	AMG2
Sample Preparation			22-Jan-09 11:45	AMG2

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
1,2,4-Trichlorobenzene	<	330 ug/kg	23-Jan-09 20:58	PSB
1,2,4-Trichlorobenzene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
1,2-Dichlorobenzene	<	330 ug/kg	23-Jan-09 20:58	PSB
1,2-Dichlorobenzene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
1,3-Dichlorobenzene	<	330 ug/kg	23-Jan-09 20:58	PSB
1,3-Dichlorobenzene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
1,4-Dichlorobenzene	<	330 ug/kg	23-Jan-09 20:58	PSB
1,4-Dichlorobenzene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2,4,5-Trichlorophenol	<	1600 ug/kg	23-Jan-09 20:58	PSB
2,4,5-Trichlorophenol	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
2,4,6-Trichlorophenol	<	330 ug/kg	23-Jan-09 20:58	PSB
2,4,6-Trichlorophenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2,4-Dichlorophenol	<	330 ug/kg	23-Jan-09 20:58	PSB
2,4-Dichlorophenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2,4-Dimethylphenol	<	330 ug/kg	23-Jan-09 20:58	PSB
2,4-Dimethylphenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2,4-Dinitrophenol	<	1600 ug/kg	23-Jan-09 20:58	PSB



PDC Laboratories, Inc.

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
2,4-Dinitrophenol	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
2,4-Dinitrotoluene	<	330 ug/kg	23-Jan-09 20:58	PSB
2,4-Dinitrotoluene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2,6-Dinitrotoluene	<	330 ug/kg	23-Jan-09 20:58	PSB
2,6-Dinitrotoluene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2-Chloronaphthalene	<	330 ug/kg	23-Jan-09 20:58	PSB
2-Chloronaphthalene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2-Chlorophenol	<	330 ug/kg	23-Jan-09 20:58	PSB
2-Chlorophenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2-Methylnaphthalene	<	330 ug/kg	23-Jan-09 20:58	PSB
2-Methylnaphthalene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2-Methylphenol	<	330 ug/kg	23-Jan-09 20:58	PSB
2-Methylphenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
2-Nitroaniline	<	1600 ug/kg	23-Jan-09 20:58	PSB
2-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
2-Nitrophenol	<	1600 ug/kg	23-Jan-09 20:58	PSB
2-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
3,3'-Dichlorobenzidine	<	660 ug/kg	23-Jan-09 20:58	PSB
3,3'-Dichlorobenzidine	<	670 ug/kg Dry	23-Jan-09 20:58	PSB
3-Nitroaniline	<	1600 ug/kg	23-Jan-09 20:58	PSB
3-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
4,6-Dinitro-2-methylphenol	<	1600 ug/kg	23-Jan-09 20:58	PSB
4,6-Dinitro-2-methylphenol	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
4-Bromophenyl-phenylether	<	330 ug/kg	23-Jan-09 20:58	PSB
4-Bromophenyl-phenylether	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
4-Chloro-3-Methylphenol	<	330 ug/kg	23-Jan-09 20:58	PSB
4-Chloro-3-Methylphenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
4-Chloroaniline	<	330 ug/kg	23-Jan-09 20:58	PSB
4-Chloroaniline	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
4-Chlorophenyl-phenyl Ether	<	330 ug/kg	23-Jan-09 20:58	PSB
4-Chlorophenyl-phenyl Ether	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
4-Methylphenol	<	330 ug/kg	23-Jan-09 20:58	PSB
4-Methylphenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB



PDC Laboratories, Inc.

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-4688 • (800) 752-6651 • FAX (309) 692-9889



Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
4-Nitroaniline	<	1600 ug/kg	23-Jan-09 20:58	PSB
4-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
4-Nitrophenol	<	1600 ug/kg	23-Jan-09 20:58	PSB
4-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
Acenaphthene	<	330 ug/kg	23-Jan-09 20:58	PSB
Acenaphthene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Acenaphthylene	<	330 ug/kg	23-Jan-09 20:58	PSB
Acenaphthylene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Anthracene	<	330 ug/kg	23-Jan-09 20:58	PSB
Anthracene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Benzo(a)anthracene	<	330 ug/kg	23-Jan-09 20:58	PSB
Benzo(a)anthracene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Benzo(a)pyrene	<	330 ug/kg	23-Jan-09 20:58	PSB
Benzo(a)pyrene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Benzo(b)fluoranthene	<	330 ug/kg	23-Jan-09 20:58	PSB
Benzo(b)fluoranthene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Benzo(g,h,i)perylene	<	330 ug/kg	23-Jan-09 20:58	PSB
Benzo(g,h,i)perylene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Benzo(k)fluoranthene	<	330 ug/kg	23-Jan-09 20:58	PSB
Benzo(k)fluoranthene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
bis(2-Chloroethoxy)methane	<	330 ug/kg	23-Jan-09 20:58	PSB
bis(2-Chloroethoxy)methane	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
bis(2-Chloroethyl) Ether	<	330 ug/kg	23-Jan-09 20:58	PSB
bis(2-Chloroethyl) Ether	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Bis(2-chloroisopropyl)ether	<	330 ug/kg	23-Jan-09 20:58	PSB
Bis(2-chloroisopropyl)ether	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
bis(2-Ethylhexyl)phthalate	<	330 ug/kg	23-Jan-09 20:58	PSB
bis(2-Ethylhexyl)phthalate	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Butylbenzylphthalate	<	330 ug/kg	23-Jan-09 20:58	PSB
Butylbenzylphthalate	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Chrysene	<	330 ug/kg	23-Jan-09 20:58	PSB
Chrysene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Dibenzo(a,h)anthracene	<	330 ug/kg	23-Jan-09 20:58	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
Dibenzo(a,h)anthracene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Dibenzofuran	<	330 ug/kg	23-Jan-09 20:58	PSB
Dibenzofuran	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Diethylphthalate	<	330 ug/kg	23-Jan-09 20:58	PSB
Diethylphthalate	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Dimethylphthalate	<	330 ug/kg	23-Jan-09 20:58	PSB
Dimethylphthalate	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Di-n-Butylphthalate	<	330 ug/kg	23-Jan-09 20:58	PSB
Di-n-Butylphthalate	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Di-n-octylphthalate	<	330 ug/kg	23-Jan-09 20:58	PSB
Di-n-octylphthalate	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Fluoranthene	<	330 ug/kg	23-Jan-09 20:58	PSB
Fluoranthene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Fluorene	<	330 ug/kg	23-Jan-09 20:58	PSB
Fluorene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Hexachlorobenzene	<	330 ug/kg	23-Jan-09 20:58	PSB
Hexachlorobenzene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Hexachlorobutadiene	<	330 ug/kg	23-Jan-09 20:58	PSB
Hexachlorobutadiene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Hexachlorocyclopentadiene	<	330 ug/kg	23-Jan-09 20:58	PSB
Hexachlorocyclopentadiene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Hexachloroethane	<	330 ug/kg	23-Jan-09 20:58	PSB
Hexachloroethane	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Indeno(1,2,3-cd)pyrene	<	330 ug/kg	23-Jan-09 20:58	PSB
Indeno(1,2,3-cd)pyrene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Isophorone	<	330 ug/kg	23-Jan-09 20:58	PSB
Isophorone	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Naphthalene	<	330 ug/kg	23-Jan-09 20:58	PSB
Naphthalene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Nitrobenzene	<	330 ug/kg	23-Jan-09 20:58	PSB
Nitrobenzene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
N-Nitroso-di-n-propylamine	<	330 ug/kg	23-Jan-09 20:58	PSB
N-Nitroso-di-n-propylamine	<	340 ug/kg Dry	23-Jan-09 20:58	PSB



PDC Laboratories, Inc.

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-1

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #1

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
N-Nitrosodiphenylamine	<	330 ug/kg	23-Jan-09 20:58	PSB
N-Nitrosodiphenylamine	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Pentachlorophenol	<	1600 ug/kg	23-Jan-09 20:58	PSB
Pentachlorophenol	<	1700 ug/kg Dry	23-Jan-09 20:58	PSB
Phenanthrene	<	330 ug/kg	23-Jan-09 20:58	PSB
Phenanthrene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Phenol	<	330 ug/kg	23-Jan-09 20:58	PSB
Phenol	<	340 ug/kg Dry	23-Jan-09 20:58	PSB
Pyrene	<	330 ug/kg	23-Jan-09 20:58	PSB
Pyrene	<	340 ug/kg Dry	23-Jan-09 20:58	PSB

SW-846 9045 C

	Result	Units	Date/Time	Analyst
pH	8.83	units	20-Jan-09 14:35	WRW



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

Sample Preparation	Result	Units	Date/Time	Analyst
			19-Jan-09 12:00	AMG2
SM (18) 2540B	Result	Units	Date/Time	Analyst
Moisture	1.6	%	19-Jan-09 11:44	jrb
SM 4500-CN C, G	Result	Units	Date/Time	Analyst
Cyanide, Total	< 1.2	mg/kg	27-Jan-09 14:55	lgalr
Cyanide, Total	< 1.3	mg/kg Dry	27-Jan-09 14:55	lgalr
SW-846 3051	Result	Units	Date/Time	Analyst
Sample Preparation			23-Jan-09 10:00	BAB
SW-846 6010B R2.0	Result	Units	Date/Time	Analyst
Aluminum	310	mg/kg	27-Jan-09 10:00	KJP
Aluminum	320	mg/kg Dry	27-Jan-09 10:00	KJP
Iron	800	mg/kg	27-Jan-09 10:00	KJP
Iron	810	mg/kg Dry	27-Jan-09 10:00	KJP
SW-846 6020	Result	Units	Date/Time	Analyst
Antimony	< 3	mg/kg	28-Jan-09 9:53	JMW
Antimony	< 3	mg/kg Dry	28-Jan-09 9:53	JMW
Arsenic	< 1	mg/kg	28-Jan-09 9:53	JMW
Arsenic	< 1	mg/kg Dry	28-Jan-09 9:53	JMW
Barium	8.1	mg/kg	28-Jan-09 9:53	JMW
Barium	8.3	mg/kg Dry	28-Jan-09 9:53	JMW
Beryllium	< 1	mg/kg	28-Jan-09 9:53	JMW
Beryllium	< 1	mg/kg Dry	28-Jan-09 9:53	JMW
Cadmium	< 1	mg/kg	28-Jan-09 9:53	JMW
Cadmium	< 1	mg/kg Dry	28-Jan-09 9:53	JMW
Calcium	290000	mg/kg	28-Jan-09 9:53	JMW
Calcium	300000	mg/kg Dry	28-Jan-09 9:53	JMW
Chromium	4.7	mg/kg	28-Jan-09 9:53	JMW
Chromium	4.8	mg/kg Dry	28-Jan-09 9:53	JMW
Cobalt	< 2	mg/kg	28-Jan-09 9:53	JMW
Cobalt	< 2	mg/kg Dry	28-Jan-09 9:53	JMW



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 6020	Result	Units	Date/Time	Analyst
Copper	<	3 mg/kg	29-Jan-09 8:25	JMW
Copper	<	3 mg/kg Dry	29-Jan-09 8:25	JMW
Lead	<	1 mg/kg	28-Jan-09 9:53	JMW
Lead	<	1 mg/kg Dry	28-Jan-09 9:53	JMW
Magnesium		17000 mg/kg	28-Jan-09 9:53	JMW
Magnesium		18000 mg/kg Dry	28-Jan-09 9:53	JMW
Manganese		56 mg/kg	28-Jan-09 9:53	JMW
Manganese		57 mg/kg Dry	28-Jan-09 9:53	JMW
Mercury	<	0.2 mg/kg	28-Jan-09 9:53	JMW
Mercury	<	0.2 mg/kg Dry	28-Jan-09 9:53	JMW
Nickel		20 mg/kg	28-Jan-09 9:53	JMW
Nickel		20 mg/kg Dry	28-Jan-09 9:53	JMW
Potassium		210 mg/kg	28-Jan-09 9:53	JMW
Potassium		220 mg/kg Dry	28-Jan-09 9:53	JMW
Selenium	<	1 mg/kg	28-Jan-09 9:53	JMW
Selenium	<	1 mg/kg Dry	28-Jan-09 9:53	JMW
Silver	<	5 mg/kg	28-Jan-09 9:53	JMW
Silver	<	5.1 mg/kg Dry	28-Jan-09 9:53	JMW
Sodium		160 mg/kg	28-Jan-09 9:53	JMW
Sodium		160 mg/kg Dry	28-Jan-09 9:53	JMW
Thallium	<	1 mg/kg	28-Jan-09 9:53	JMW
Thallium	<	1 mg/kg Dry	28-Jan-09 9:53	JMW
Vanadium	<	5 mg/kg	28-Jan-09 9:53	JMW
Vanadium	<	5.1 mg/kg Dry	28-Jan-09 9:53	JMW
Zinc		14 mg/kg	28-Jan-09 9:53	JMW
Zinc		14 mg/kg Dry	28-Jan-09 9:53	JMW

SW-846 8081A R1.0	Result	Units	Date/Time	Analyst
4,4'-DDD	<	16 ug/kg	22-Jan-09 2:42	JMT
4,4'-DDE	Q<	16 ug/kg	22-Jan-09 2:42	JMT
4,4'-DDT	<	16 ug/kg	22-Jan-09 2:42	JMT
Aldrin	<	8 ug/kg	22-Jan-09 2:42	JMT
alpha-BHC	<	0.35 ug/kg	22-Jan-09 2:42	JMT



PDC Laboratories, Inc.
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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
beta-BHC	<	8 ug/kg	22-Jan-09 2:42	JMT
Chlordane (technical)	<	160 ug/kg	22-Jan-09 2:42	JMT
delta-BHC	<	8 ug/kg	22-Jan-09 2:42	JMT
Dieldrin	<	2 ug/kg	22-Jan-09 2:42	JMT
Endosulfan I	<	8 ug/kg	22-Jan-09 2:42	JMT
Endosulfan II	<	16 ug/kg	22-Jan-09 2:42	JMT
Endosulfan Sulfate	<	16 ug/kg	22-Jan-09 2:42	JMT
Endrin	<	16 ug/kg	22-Jan-09 2:42	JMT
Endrin Aldehyde	Q<	16 ug/kg	22-Jan-09 2:42	JMT
gamma-BHC (Lindane)	<	5 ug/kg	22-Jan-09 2:42	JMT
Heptachlor	<	8 ug/kg	22-Jan-09 2:42	JMT
Heptachlor Epoxide	<	8 ug/kg	22-Jan-09 2:42	JMT
Methoxychlor	<	80 ug/kg	22-Jan-09 2:42	JMT
Toxaphene	<	80 ug/kg	22-Jan-09 2:42	JMT

SW-846 8082

Sample Preparation

Result	Units	Date/Time	Analyst
		19-Jan-09 12:00	AMG2

SW-846 8082 R0.0

	Result	Units	Date/Time	Analyst
Aroclor 1016	<	0.08 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1016	<	0.081 mg/kg Dry	21-Jan-09 22:57	JMT
Aroclor 1221	<	0.16 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1221	<	0.16 mg/kg Dry	21-Jan-09 22:57	JMT
Aroclor 1232	<	0.08 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1232	<	0.081 mg/kg Dry	21-Jan-09 22:57	JMT
Aroclor 1242	<	0.08 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1242	<	0.081 mg/kg Dry	21-Jan-09 22:57	JMT
Aroclor 1248	<	0.08 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1248	<	0.081 mg/kg Dry	21-Jan-09 22:57	JMT
Aroclor 1254	<	0.16 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1254	<	0.16 mg/kg Dry	21-Jan-09 22:57	JMT
Aroclor 1260	<	0.16 mg/kg	21-Jan-09 22:57	JMT
Aroclor 1260	<	0.16 mg/kg Dry	21-Jan-09 22:57	JMT
PCBs Total	<	0.8 mg/kg	21-Jan-09 22:57	JMT



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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8082 R0.0

PCBs Total

	Result	Units	Date/Time	Analyst
<	0.81	mg/kg Dry	21-Jan-09 22:57	JMT

SW-846 8260B R2.0

1,1,1-Trichloroethane

	Result	Units	Date/Time	Analyst
<	0.0046	mg/kg	20-Jan-09 14:27	AMG

1,1,1-Trichloroethane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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1,1,2,2-Tetrachloroethane

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
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1,1,2,2-Tetrachloroethane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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1,1,2-Trichloroethane

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

1,1,2-Trichloroethane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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1,1-Dichloroethane

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

1,1-Dichloroethane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
---	--------	-----------	-----------------	-----

1,1-Dichloroethene

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

1,1-Dichloroethene

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
---	--------	-----------	-----------------	-----

1,2-Dichloroethane

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

1,2-Dichloroethane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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1,2-Dichloropropane

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
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1,2-Dichloropropane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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2-Butanone

<	0.0091	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

2-Butanone

<	0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
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2-Hexanone

<	0.0091	mg/kg	20-Jan-09 14:27	AMG
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2-Hexanone

<	0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
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4-Methyl-2-pentanone

<	0.0091	mg/kg	20-Jan-09 14:27	AMG
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4-Methyl-2-pentanone

<	0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
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Acetone

<	0.0091	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

Acetone

<	0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
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Benzene

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

Benzene

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
---	--------	-----------	-----------------	-----

Bromodichloromethane

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

Bromodichloromethane

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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Bromoform

<	0.0046	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

Bromoform

<	0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
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Bromomethane

<	0.0091	mg/kg	20-Jan-09 14:27	AMG
---	--------	-------	-----------------	-----

Bromomethane

<	0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
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PDC Laboratories, Inc.
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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Carbon Disulfide	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Carbon Disulfide	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Carbon Tetrachloride	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Carbon Tetrachloride	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Chlorobenzene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Chlorobenzene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Chloroethane	< 0.0091	mg/kg	20-Jan-09 14:27	AMG
Chloroethane	< 0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
Chloroform	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Chloroform	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Chloromethane	< 0.0091	mg/kg	20-Jan-09 14:27	AMG
Chloromethane	< 0.0092	mg/kg Dry	20-Jan-09 14:27	AMG
cis-1,2-Dichloroethene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
cis-1,2-Dichloroethene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
cis-1,3-Dichloropropene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
cis-1,3-Dichloropropene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Dibromochloromethane	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Dibromochloromethane	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Ethylbenzene	< 0.0018	mg/kg	20-Jan-09 14:27	AMG
Ethylbenzene	< 0.0018	mg/kg Dry	20-Jan-09 14:27	AMG
m,p-Xylene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
m,p-Xylene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Methylene Chloride	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Methylene Chloride	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Methyl-tert-Butyl Ether	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Methyl-tert-Butyl Ether	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
o-Xylene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
o-Xylene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Styrene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Styrene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Tetrachloroethene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG
Tetrachloroethene	< 0.0047	mg/kg Dry	20-Jan-09 14:27	AMG
Toluene	< 0.0046	mg/kg	20-Jan-09 14:27	AMG

**PDC Laboratories, Inc.**

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9689 • (800) 752-6651 • FAX (309) 692-9689

Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Toluene	<	0.0047 mg/kg Dry	20-Jan-09 14:27	AMG
trans-1,2-Dichloroethene	<	0.0046 mg/kg	20-Jan-09 14:27	AMG
trans-1,2-Dichloroethene	<	0.0047 mg/kg Dry	20-Jan-09 14:27	AMG
trans-1,3-Dichloropropene	<	0.0046 mg/kg	20-Jan-09 14:27	AMG
trans-1,3-Dichloropropene	<	0.0047 mg/kg Dry	20-Jan-09 14:27	AMG
Trichloroethene	<	0.0046 mg/kg	20-Jan-09 14:27	AMG
Trichloroethene	<	0.0047 mg/kg Dry	20-Jan-09 14:27	AMG
Vinyl Chloride	<	0.0091 mg/kg	20-Jan-09 14:27	AMG
Vinyl Chloride	<	0.0092 mg/kg Dry	20-Jan-09 14:27	AMG
Xylenes (Total)	<	0.0091 mg/kg	20-Jan-09 14:27	AMG
Xylenes (Total)	<	0.0092 mg/kg Dry	20-Jan-09 14:27	AMG

SW-846 8270C

	Result	Units	Date/Time	Analyst
Sample Preparation			22-Jan-09 11:45	AMG2
Sample Preparation			19-Jan-09 11:55	AMG2

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
1,2,4-Trichlorobenzene	<	330 ug/kg	23-Jan-09 21:31	PSB
1,2,4-Trichlorobenzene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
1,2-Dichlorobenzene	<	330 ug/kg	23-Jan-09 21:31	PSB
1,2-Dichlorobenzene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
1,3-Dichlorobenzene	<	330 ug/kg	23-Jan-09 21:31	PSB
1,3-Dichlorobenzene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
1,4-Dichlorobenzene	<	330 ug/kg	23-Jan-09 21:31	PSB
1,4-Dichlorobenzene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2,4,5-Trichlorophenol	<	1600 ug/kg	23-Jan-09 21:31	PSB
2,4,5-Trichlorophenol	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
2,4,6-Trichlorophenol	<	330 ug/kg	23-Jan-09 21:31	PSB
2,4,6-Trichlorophenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2,4-Dichlorophenol	<	330 ug/kg	23-Jan-09 21:31	PSB
2,4-Dichlorophenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2,4-Dimethylphenol	<	330 ug/kg	23-Jan-09 21:31	PSB
2,4-Dimethylphenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2,4-Dinitrophenol	<	1600 ug/kg	23-Jan-09 21:31	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
2,4-Dinitrophenol	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
2,4-Dinitrotoluene	<	330 ug/kg	23-Jan-09 21:31	PSB
2,4-Dinitrotoluene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2,6-Dinitrotoluene	<	330 ug/kg	23-Jan-09 21:31	PSB
2,6-Dinitrotoluene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2-Chloronaphthalene	<	330 ug/kg	23-Jan-09 21:31	PSB
2-Chloronaphthalene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2-Chlorophenol	<	330 ug/kg	23-Jan-09 21:31	PSB
2-Chlorophenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2-Methylnaphthalene	<	330 ug/kg	23-Jan-09 21:31	PSB
2-Methylnaphthalene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2-Methylphenol	<	330 ug/kg	23-Jan-09 21:31	PSB
2-Methylphenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
2-Nitroaniline	<	1600 ug/kg	23-Jan-09 21:31	PSB
2-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
2-Nitrophenol	<	1600 ug/kg	23-Jan-09 21:31	PSB
2-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
3,3'-Dichlorobenzidine	<	660 ug/kg	23-Jan-09 21:31	PSB
3,3'-Dichlorobenzidine	<	670 ug/kg Dry	23-Jan-09 21:31	PSB
3-Nitroaniline	<	1600 ug/kg	23-Jan-09 21:31	PSB
3-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
4,6-Dinitro-2-methylphenol	<	1600 ug/kg	23-Jan-09 21:31	PSB
4,6-Dinitro-2-methylphenol	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
4-Bromophenyl-phenylether	<	330 ug/kg	23-Jan-09 21:31	PSB
4-Bromophenyl-phenylether	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
4-Chloro-3-Methylphenol	<	330 ug/kg	23-Jan-09 21:31	PSB
4-Chloro-3-Methylphenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
4-Chloroaniline	<	330 ug/kg	23-Jan-09 21:31	PSB
4-Chloroaniline	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
4-Chlorophenyl-phenyl Ether	<	330 ug/kg	23-Jan-09 21:31	PSB
4-Chlorophenyl-phenyl Ether	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
4-Methylphenol	<	330 ug/kg	23-Jan-09 21:31	PSB
4-Methylphenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB



PDC Laboratories, Inc.

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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
4-Nitroaniline	<	1600 ug/kg	23-Jan-09 21:31	PSB
4-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
4-Nitrophenol	<	1600 ug/kg	23-Jan-09 21:31	PSB
4-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
Acenaphthene	<	330 ug/kg	23-Jan-09 21:31	PSB
Acenaphthene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Acenaphthylene	<	330 ug/kg	23-Jan-09 21:31	PSB
Acenaphthylene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Anthracene	<	330 ug/kg	23-Jan-09 21:31	PSB
Anthracene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Benzo(a)anthracene	<	330 ug/kg	23-Jan-09 21:31	PSB
Benzo(a)anthracene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Benzo(a)pyrene	<	330 ug/kg	23-Jan-09 21:31	PSB
Benzo(a)pyrene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Benzo(b)fluoranthene	<	330 ug/kg	23-Jan-09 21:31	PSB
Benzo(b)fluoranthene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Benzo(g,h,i)perylene	<	330 ug/kg	23-Jan-09 21:31	PSB
Benzo(g,h,i)perylene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Benzo(k)fluoranthene	<	330 ug/kg	23-Jan-09 21:31	PSB
Benzo(k)fluoranthene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
bis(2-Chloroethoxy)methane	<	330 ug/kg	23-Jan-09 21:31	PSB
bis(2-Chloroethoxy)methane	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
bis(2-Chloroethyl) Ether	<	330 ug/kg	23-Jan-09 21:31	PSB
bis(2-Chloroethyl) Ether	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Bis(2-chloroisopropyl)ether	<	330 ug/kg	23-Jan-09 21:31	PSB
Bis(2-chloroisopropyl)ether	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
bis(2-Ethylhexyl)phthalate	<	330 ug/kg	23-Jan-09 21:31	PSB
bis(2-Ethylhexyl)phthalate	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Butylbenzylphthalate	<	330 ug/kg	23-Jan-09 21:31	PSB
Butylbenzylphthalate	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Chrysene	<	330 ug/kg	23-Jan-09 21:31	PSB
Chrysene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Dibenzo(a,h)anthracene	<	330 ug/kg	23-Jan-09 21:31	PSB



PDC Laboratories, Inc.

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
Dibenzo(a,h)anthracene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Dibenzofuran	<	330 ug/kg	23-Jan-09 21:31	PSB
Dibenzofuran	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Diethylphthalate	<	330 ug/kg	23-Jan-09 21:31	PSB
Diethylphthalate	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Dimethylphthalate	<	330 ug/kg	23-Jan-09 21:31	PSB
Dimethylphthalate	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Di-n-Butylphthalate	<	330 ug/kg	23-Jan-09 21:31	PSB
Di-n-Butylphthalate	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Di-n-octylphthalate	<	330 ug/kg	23-Jan-09 21:31	PSB
Di-n-octylphthalate	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Fluoranthene	<	330 ug/kg	23-Jan-09 21:31	PSB
Fluoranthene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Fluorene	<	330 ug/kg	23-Jan-09 21:31	PSB
Fluorene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Hexachlorobenzene	<	330 ug/kg	23-Jan-09 21:31	PSB
Hexachlorobenzene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Hexachlorobutadiene	<	330 ug/kg	23-Jan-09 21:31	PSB
Hexachlorobutadiene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Hexachlorocyclopentadiene	<	330 ug/kg	23-Jan-09 21:31	PSB
Hexachlorocyclopentadiene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Hexachloroethane	<	330 ug/kg	23-Jan-09 21:31	PSB
Hexachloroethane	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Indeno(1,2,3-cd)pyrene	<	330 ug/kg	23-Jan-09 21:31	PSB
Indeno(1,2,3-cd)pyrene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Isophorone	<	330 ug/kg	23-Jan-09 21:31	PSB
Isophorone	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Naphthalene	<	330 ug/kg	23-Jan-09 21:31	PSB
Naphthalene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Nitrobenzene	<	330 ug/kg	23-Jan-09 21:31	PSB
Nitrobenzene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
N-Nitroso-di-n-propylamine	<	330 ug/kg	23-Jan-09 21:31	PSB
N-Nitroso-di-n-propylamine	<	340 ug/kg Dry	23-Jan-09 21:31	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-2

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #2

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
N-Nitrosodiphenylamine	<	330 ug/kg	23-Jan-09 21:31	PSB
N-Nitrosodiphenylamine	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Pentachlorophenol	<	1600 ug/kg	23-Jan-09 21:31	PSB
Pentachlorophenol	<	1700 ug/kg Dry	23-Jan-09 21:31	PSB
Phenanthrene	<	330 ug/kg	23-Jan-09 21:31	PSB
Phenanthrene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Phenol	<	330 ug/kg	23-Jan-09 21:31	PSB
Phenol	<	340 ug/kg Dry	23-Jan-09 21:31	PSB
Pyrene	<	330 ug/kg	23-Jan-09 21:31	PSB
Pyrene	<	340 ug/kg Dry	23-Jan-09 21:31	PSB

SW-846 9045 C

	Result	Units	Date/Time	Analyst
pH	9.02	units	20-Jan-09 14:37	WRW



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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

Sample Preparation	Result	Units	Date/Time	Analyst
			19-Jan-09 12:00	AMG2
SM (18) 2540B	Result	Units	Date/Time	Analyst
Moisture	1.4	%	19-Jan-09 11:45	jrb
SM 4500-CN C, G	Result	Units	Date/Time	Analyst
Cyanide, Total	<	1.2 mg/kg	27-Jan-09 14:56	Igalr
Cyanide, Total	<	1.3 mg/kg Dry	27-Jan-09 14:56	Igalr
SW-846 3051	Result	Units	Date/Time	Analyst
Sample Preparation			23-Jan-09 10:00	BAB
SW-846 6010B R2.0	Result	Units	Date/Time	Analyst
Aluminum	310	mg/kg	27-Jan-09 10:00	KJP
Aluminum	310	mg/kg Dry	27-Jan-09 10:00	KJP
Iron	970	mg/kg	27-Jan-09 10:00	KJP
Iron	980	mg/kg Dry	27-Jan-09 10:00	KJP
SW-846 6020	Result	Units	Date/Time	Analyst
Antimony	<	3 mg/kg	28-Jan-09 9:58	JMW
Antimony	<	3 mg/kg Dry	28-Jan-09 9:58	JMW
Arsenic	<	1 mg/kg	28-Jan-09 9:58	JMW
Arsenic	<	1 mg/kg Dry	28-Jan-09 9:58	JMW
Barium	8.1	mg/kg	28-Jan-09 9:58	JMW
Barium	8.2	mg/kg Dry	28-Jan-09 9:58	JMW
Beryllium	<	1 mg/kg	28-Jan-09 9:58	JMW
Beryllium	<	1 mg/kg Dry	28-Jan-09 9:58	JMW
Cadmium	<	1 mg/kg	28-Jan-09 9:58	JMW
Cadmium	<	1 mg/kg Dry	28-Jan-09 9:58	JMW
Calcium	280000	mg/kg	28-Jan-09 9:58	JMW
Calcium	280000	mg/kg Dry	28-Jan-09 9:58	JMW
Chromium	5	mg/kg	28-Jan-09 9:58	JMW
Chromium	5.1	mg/kg Dry	28-Jan-09 9:58	JMW
Cobalt	<	2 mg/kg	28-Jan-09 9:58	JMW
Cobalt	<	2 mg/kg Dry	28-Jan-09 9:58	JMW

**PDC Laboratories, Inc.**

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 6020

	Result	Units	Date/Time	Analyst
Copper	<	3 mg/kg	29-Jan-09 8:28	JMW
Copper	<	3 mg/kg Dry	29-Jan-09 8:28	JMW
Lead	<	1 mg/kg	28-Jan-09 9:58	JMW
Lead	<	1 mg/kg Dry	28-Jan-09 9:58	JMW
Magnesium	20000	mg/kg	28-Jan-09 9:58	JMW
Magnesium	20000	mg/kg Dry	28-Jan-09 9:58	JMW
Manganese	55	mg/kg	28-Jan-09 9:58	JMW
Manganese	56	mg/kg Dry	28-Jan-09 9:58	JMW
Mercury	<	0.2 mg/kg	28-Jan-09 9:58	JMW
Mercury	<	0.2 mg/kg Dry	28-Jan-09 9:58	JMW
Nickel	20	mg/kg	28-Jan-09 9:58	JMW
Nickel	20	mg/kg Dry	28-Jan-09 9:58	JMW
Potassium	220	mg/kg	28-Jan-09 9:58	JMW
Potassium	220	mg/kg Dry	28-Jan-09 9:58	JMW
Selenium	<	1 mg/kg	28-Jan-09 9:58	JMW
Selenium	<	1 mg/kg Dry	28-Jan-09 9:58	JMW
Silver	<	5 mg/kg	28-Jan-09 9:58	JMW
Silver	<	5.1 mg/kg Dry	28-Jan-09 9:58	JMW
Sodium	170	mg/kg	28-Jan-09 9:58	JMW
Sodium	180	mg/kg Dry	28-Jan-09 9:58	JMW
Thallium	<	1 mg/kg	28-Jan-09 9:58	JMW
Thallium	<	1 mg/kg Dry	28-Jan-09 9:58	JMW
Vanadium	<	5 mg/kg	28-Jan-09 9:58	JMW
Vanadium	<	5.1 mg/kg Dry	28-Jan-09 9:58	JMW
Zinc	16	mg/kg	28-Jan-09 9:58	JMW
Zinc	16	mg/kg Dry	28-Jan-09 9:58	JMW

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
4,4'-DDD	<	16 ug/kg	22-Jan-09 3:06	JMT
4,4'-DDE	Q<	16 ug/kg	22-Jan-09 3:06	JMT
4,4'-DDT	<	16 ug/kg	22-Jan-09 3:06	JMT
Aldrin	<	8 ug/kg	22-Jan-09 3:06	JMT
alpha-BHC	<	0.35 ug/kg	22-Jan-09 3:06	JMT

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
beta-BHC	<	8 ug/kg	22-Jan-09 3:06	JMT
Chlordane (technical)	<	160 ug/kg	22-Jan-09 3:06	JMT
delta-BHC	<	8 ug/kg	22-Jan-09 3:06	JMT
Dieldrin	<	2 ug/kg	22-Jan-09 3:06	JMT
Endosulfan I	<	8 ug/kg	22-Jan-09 3:06	JMT
Endosulfan II	<	16 ug/kg	22-Jan-09 3:06	JMT
Endosulfan Sulfate	<	16 ug/kg	22-Jan-09 3:06	JMT
Endrin	<	16 ug/kg	22-Jan-09 3:06	JMT
Endrin Aldehyde	Q<	16 ug/kg	22-Jan-09 3:06	JMT
gamma-BHC (Lindane)	<	5 ug/kg	22-Jan-09 3:06	JMT
Heptachlor	<	8 ug/kg	22-Jan-09 3:06	JMT
Heptachlor Epoxide	<	8 ug/kg	22-Jan-09 3:06	JMT
Methoxychlor	<	80 ug/kg	22-Jan-09 3:06	JMT
Toxaphene	<	80 ug/kg	22-Jan-09 3:06	JMT

SW-846 8082

	Result	Units	Date/Time	Analyst
Sample Preparation			19-Jan-09 12:00	AMG2

SW-846 8082 R0.0

	Result	Units	Date/Time	Analyst
Aroclor 1016	<	0.08 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1016	<	0.081 mg/kg Dry	21-Jan-09 23:31	JMT
Aroclor 1221	<	0.16 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1221	<	0.16 mg/kg Dry	21-Jan-09 23:31	JMT
Aroclor 1232	<	0.08 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1232	<	0.081 mg/kg Dry	21-Jan-09 23:31	JMT
Aroclor 1242	<	0.08 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1242	<	0.081 mg/kg Dry	21-Jan-09 23:31	JMT
Aroclor 1248	<	0.08 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1248	<	0.081 mg/kg Dry	21-Jan-09 23:31	JMT
Aroclor 1254	<	0.16 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1254	<	0.16 mg/kg Dry	21-Jan-09 23:31	JMT
Aroclor 1260	<	0.16 mg/kg	21-Jan-09 23:31	JMT
Aroclor 1260	<	0.16 mg/kg Dry	21-Jan-09 23:31	JMT
PCBs Total	<	0.8 mg/kg	21-Jan-09 23:31	JMT



PDC Laboratories, Inc.
 P.O. Box 9071 • Peoria, IL 61612-9071
 (309) 692-4681 • (800) 752-6651 • FAX (309) 692-9683



Pangea, Inc
 2604 S. Jefferson Ave.

Date Received: 19-Jan-09
 Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8082 R0.0

PCBs Total

Result	Units	Date/Time	Analyst
< 0.81	mg/kg Dry	21-Jan-09 23:31	JMT

SW-846 8260B R2.0

1,1,1-Trichloroethane

Result	Units	Date/Time	Analyst
< 0.0044	mg/kg	20-Jan-09 14:59	AMG

1,1,1-Trichloroethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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1,1,2,2-Tetrachloroethane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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1,1,2,2-Tetrachloroethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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1,1,2-Trichloroethane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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1,1,2-Trichloroethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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1,1-Dichloroethane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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1,1-Dichloroethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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1,1-Dichloroethane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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1,1-Dichloroethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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1,2-Dichloroethane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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1,2-Dichloroethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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1,2-Dichloropropane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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1,2-Dichloropropane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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2-Butanone

< 0.0087	mg/kg	20-Jan-09 14:59	AMG
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2-Butanone

< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
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2-Hexanone

< 0.0087	mg/kg	20-Jan-09 14:59	AMG
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2-Hexanone

< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
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4-Methyl-2-pentanone

< 0.0087	mg/kg	20-Jan-09 14:59	AMG
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4-Methyl-2-pentanone

< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
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Acetone

< 0.0087	mg/kg	20-Jan-09 14:59	AMG
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Acetone

< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
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Benzene

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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Benzene

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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Bromodichloromethane

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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Bromodichloromethane

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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Bromoform

< 0.0044	mg/kg	20-Jan-09 14:59	AMG
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Bromoform

< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
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Bromomethane

< 0.0087	mg/kg	20-Jan-09 14:59	AMG
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Bromomethane

< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
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PDC Laboratories, Inc.

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689



Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Carbon Disulfide	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Carbon Disulfide	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Carbon Tetrachloride	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Carbon Tetrachloride	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Chlorobenzene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Chlorobenzene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Chloroethane	< 0.0087	mg/kg	20-Jan-09 14:59	AMG
Chloroethane	< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
Chloroform	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Chloroform	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Chloromethane	< 0.0087	mg/kg	20-Jan-09 14:59	AMG
Chloromethane	< 0.0088	mg/kg Dry	20-Jan-09 14:59	AMG
cis-1,2-Dichloroethene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
cis-1,2-Dichloroethene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
cis-1,3-Dichloropropene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
cis-1,3-Dichloropropene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Dibromochloromethane	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Dibromochloromethane	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Ethylbenzene	< 0.0017	mg/kg	20-Jan-09 14:59	AMG
Ethylbenzene	< 0.0017	mg/kg Dry	20-Jan-09 14:59	AMG
m,p-Xylene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
m,p-Xylene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Methylene Chloride	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Methylene Chloride	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Methyl-tert-Butyl Ether	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Methyl-tert-Butyl Ether	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
o-Xylene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
o-Xylene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Styrene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Styrene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Tetrachloroethene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG
Tetrachloroethene	< 0.0045	mg/kg Dry	20-Jan-09 14:59	AMG
Toluene	< 0.0044	mg/kg	20-Jan-09 14:59	AMG

**PDC Laboratories, Inc.**

P.O. Box 9071 • Peoria, IL 61612-9071

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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Toluene	<	0.0045 mg/kg Dry	20-Jan-09 14:59	AMG
trans-1,2-Dichloroethene	<	0.0044 mg/kg	20-Jan-09 14:59	AMG
trans-1,2-Dichloroethene	<	0.0045 mg/kg Dry	20-Jan-09 14:59	AMG
trans-1,3-Dichloropropene	<	0.0044 mg/kg	20-Jan-09 14:59	AMG
trans-1,3-Dichloropropene	<	0.0045 mg/kg Dry	20-Jan-09 14:59	AMG
Trichloroethene	<	0.0044 mg/kg	20-Jan-09 14:59	AMG
Trichloroethene	<	0.0045 mg/kg Dry	20-Jan-09 14:59	AMG
Vinyl Chloride	<	0.0087 mg/kg	20-Jan-09 14:59	AMG
Vinyl Chloride	<	0.0088 mg/kg Dry	20-Jan-09 14:59	AMG
Xylenes (Total)	<	0.0087 mg/kg	20-Jan-09 14:59	AMG
Xylenes (Total)	<	0.0088 mg/kg Dry	20-Jan-09 14:59	AMG

SW-846 8270C

	Result	Units	Date/Time	Analyst
Sample Preparation			22-Jan-09 11:45	AMG2
Sample Preparation			19-Jan-09 11:55	AMG2

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
1,2,4-Trichlorobenzene	<	330 ug/kg	23-Jan-09 22:04	PSB
1,2,4-Trichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
1,2-Dichlorobenzene	<	330 ug/kg	23-Jan-09 22:04	PSB
1,2-Dichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
1,3-Dichlorobenzene	<	330 ug/kg	23-Jan-09 22:04	PSB
1,3-Dichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
1,4-Dichlorobenzene	<	330 ug/kg	23-Jan-09 22:04	PSB
1,4-Dichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2,4,5-Trichlorophenol	<	1600 ug/kg	23-Jan-09 22:04	PSB
2,4,5-Trichlorophenol	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
2,4,6-Trichlorophenol	<	330 ug/kg	23-Jan-09 22:04	PSB
2,4,6-Trichlorophenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2,4-Dichlorophenol	<	330 ug/kg	23-Jan-09 22:04	PSB
2,4-Dichlorophenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2,4-Dimethylphenol	<	330 ug/kg	23-Jan-09 22:04	PSB
2,4-Dimethylphenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2,4-Dinitrophenol	<	1600 ug/kg	23-Jan-09 22:04	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
2,4-Dinitrophenol	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
2,4-Dinitrotoluene	<	330 ug/kg	23-Jan-09 22:04	PSB
2,4-Dinitrotoluene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2,6-Dinitrotoluene	<	330 ug/kg	23-Jan-09 22:04	PSB
2,6-Dinitrotoluene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2-Chloronaphthalene	<	330 ug/kg	23-Jan-09 22:04	PSB
2-Chloronaphthalene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2-Chlorophenol	<	330 ug/kg	23-Jan-09 22:04	PSB
2-Chlorophenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2-Methylnaphthalene	<	330 ug/kg	23-Jan-09 22:04	PSB
2-Methylnaphthalene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2-Methylphenol	<	330 ug/kg	23-Jan-09 22:04	PSB
2-Methylphenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
2-Nitroaniline	<	1600 ug/kg	23-Jan-09 22:04	PSB
2-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
2-Nitrophenol	<	1600 ug/kg	23-Jan-09 22:04	PSB
2-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
3,3'-Dichlorobenzidine	<	660 ug/kg	23-Jan-09 22:04	PSB
3,3'-Dichlorobenzidine	<	670 ug/kg Dry	23-Jan-09 22:04	PSB
3-Nitroaniline	<	1600 ug/kg	23-Jan-09 22:04	PSB
3-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
4,6-Dinitro-2-methylphenol	<	1600 ug/kg	23-Jan-09 22:04	PSB
4,6-Dinitro-2-methylphenol	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
4-Bromophenyl-phenylether	<	330 ug/kg	23-Jan-09 22:04	PSB
4-Bromophenyl-phenylether	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
4-Chloro-3-Methylphenol	<	330 ug/kg	23-Jan-09 22:04	PSB
4-Chloro-3-Methylphenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
4-Chloroaniline	<	330 ug/kg	23-Jan-09 22:04	PSB
4-Chloroaniline	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
4-Chlorophenyl-phenyl Ether	<	330 ug/kg	23-Jan-09 22:04	PSB
4-Chlorophenyl-phenyl Ether	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
4-Methylphenol	<	330 ug/kg	23-Jan-09 22:04	PSB
4-Methylphenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB



PDC Laboratories, Inc.

P.O. Box 9071 • Peoria, IL 61612-9071

TEL: 692-4688 • 1-800-752-6851 • FAX: 1-309-692-9589



Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
4-Nitroaniline	<	1600 ug/kg	23-Jan-09 22:04	PSB
4-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
4-Nitrophenol	<	1600 ug/kg	23-Jan-09 22:04	PSB
4-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
Acenaphthene	<	330 ug/kg	23-Jan-09 22:04	PSB
Acenaphthene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Acenaphthylene	<	330 ug/kg	23-Jan-09 22:04	PSB
Acenaphthylene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Anthracene	<	330 ug/kg	23-Jan-09 22:04	PSB
Anthracene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Benzo(a)anthracene	<	330 ug/kg	23-Jan-09 22:04	PSB
Benzo(a)anthracene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Benzo(a)pyrene	<	330 ug/kg	23-Jan-09 22:04	PSB
Benzo(a)pyrene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Benzo(b)fluoranthene	<	330 ug/kg	23-Jan-09 22:04	PSB
Benzo(b)fluoranthene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Benzo(g,h,i)perylene	<	330 ug/kg	23-Jan-09 22:04	PSB
Benzo(g,h,i)perylene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Benzo(k)fluoranthene	<	330 ug/kg	23-Jan-09 22:04	PSB
Benzo(k)fluoranthene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
bis(2-Chloroethoxy)methane	<	330 ug/kg	23-Jan-09 22:04	PSB
bis(2-Chloroethoxy)methane	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
bis(2-Chloroethyl) Ether	<	330 ug/kg	23-Jan-09 22:04	PSB
bis(2-Chloroethyl) Ether	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Bis(2-chloroisopropyl)ether	<	330 ug/kg	23-Jan-09 22:04	PSB
Bis(2-chloroisopropyl)ether	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
bis(2-Ethylhexyl)phthalate	<	330 ug/kg	23-Jan-09 22:04	PSB
bis(2-Ethylhexyl)phthalate	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Butylbenzylphthalate	<	330 ug/kg	23-Jan-09 22:04	PSB
Butylbenzylphthalate	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Chrysene	<	330 ug/kg	23-Jan-09 22:04	PSB
Chrysene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Dibenzo(a,h)anthracene	<	330 ug/kg	23-Jan-09 22:04	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
Dibenzo(a,h)anthracene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Dibenzofuran	<	330 ug/kg	23-Jan-09 22:04	PSB
Dibenzofuran	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Diethylphthalate	<	330 ug/kg	23-Jan-09 22:04	PSB
Diethylphthalate	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Dimethylphthalate	<	330 ug/kg	23-Jan-09 22:04	PSB
Dimethylphthalate	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Di-n-Butylphthalate	<	330 ug/kg	23-Jan-09 22:04	PSB
Di-n-Butylphthalate	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Di-n-octylphthalate	<	330 ug/kg	23-Jan-09 22:04	PSB
Di-n-octylphthalate	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Fluoranthene	<	330 ug/kg	23-Jan-09 22:04	PSB
Fluoranthene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Fluorene	<	330 ug/kg	23-Jan-09 22:04	PSB
Fluorene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Hexachlorobenzene	<	330 ug/kg	23-Jan-09 22:04	PSB
Hexachlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Hexachlorobutadiene	<	330 ug/kg	23-Jan-09 22:04	PSB
Hexachlorobutadiene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Hexachlorocyclopentadiene	<	330 ug/kg	23-Jan-09 22:04	PSB
Hexachlorocyclopentadiene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Hexachloroethane	<	330 ug/kg	23-Jan-09 22:04	PSB
Hexachloroethane	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Indeno(1,2,3-cd)pyrene	<	330 ug/kg	23-Jan-09 22:04	PSB
Indeno(1,2,3-cd)pyrene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Isophorone	<	330 ug/kg	23-Jan-09 22:04	PSB
Isophorone	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Naphthalene	<	330 ug/kg	23-Jan-09 22:04	PSB
Naphthalene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Nitrobenzene	<	330 ug/kg	23-Jan-09 22:04	PSB
Nitrobenzene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
N-Nitroso-di-n-propylamine	<	330 ug/kg	23-Jan-09 22:04	PSB
N-Nitroso-di-n-propylamine	<	330 ug/kg Dry	23-Jan-09 22:04	PSB

**PDC Laboratories, Inc.**

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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-3

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #3

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
N-Nitrosodiphenylamine	<	330 ug/kg	23-Jan-09 22:04	PSB
N-Nitrosodiphenylamine	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Pentachlorophenol	<	1600 ug/kg	23-Jan-09 22:04	PSB
Pentachlorophenol	<	1700 ug/kg Dry	23-Jan-09 22:04	PSB
Phenanthrene	<	330 ug/kg	23-Jan-09 22:04	PSB
Phenanthrene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Phenol	<	330 ug/kg	23-Jan-09 22:04	PSB
Phenol	<	330 ug/kg Dry	23-Jan-09 22:04	PSB
Pyrene	<	330 ug/kg	23-Jan-09 22:04	PSB
Pyrene	<	330 ug/kg Dry	23-Jan-09 22:04	PSB

SW-846 9045 C

	Result	Units	Date/Time	Analyst
pH	9.04	units	20-Jan-09 14:39	WRW

**PDC Laboratories, Inc.**

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

Sample Preparation	Result	Units	Date/Time	Analyst
			19-Jan-09 12:00	AMG2
SM (18) 2540B	Result	Units	Date/Time	Analyst
Moisture	1.4	%	19-Jan-09 11:47	jrb
SM 4500-CN C, G	Result	Units	Date/Time	Analyst
Cyanide, Total	<	1.2 mg/kg	27-Jan-09 14:57	Igalr
Cyanide, Total	<	1.3 mg/kg Dry	27-Jan-09 14:57	Igalr
SW-846 3051	Result	Units	Date/Time	Analyst
Sample Preparation			23-Jan-09 10:00	BAB
SW-846 6010B R2.0	Result	Units	Date/Time	Analyst
Aluminum	390	mg/kg	27-Jan-09 10:00	KJP
Aluminum	400	mg/kg Dry	27-Jan-09 10:00	KJP
Iron	770	mg/kg	27-Jan-09 10:00	KJP
Iron	780	mg/kg Dry	27-Jan-09 10:00	KJP
SW-846 6020	Result	Units	Date/Time	Analyst
Antimony	<	3 mg/kg	28-Jan-09 10:04	JMW
Antimony	<	3 mg/kg Dry	28-Jan-09 10:04	JMW
Arsenic	<	1 mg/kg	28-Jan-09 10:04	JMW
Arsenic	<	1 mg/kg Dry	28-Jan-09 10:04	JMW
Barium	8.7	mg/kg	28-Jan-09 10:04	JMW
Barium	8.8	mg/kg Dry	28-Jan-09 10:04	JMW
Beryllium	<	1 mg/kg	28-Jan-09 10:04	JMW
Beryllium	<	1 mg/kg Dry	28-Jan-09 10:04	JMW
Cadmium	<	1 mg/kg	28-Jan-09 10:04	JMW
Cadmium	<	1 mg/kg Dry	28-Jan-09 10:04	JMW
Calcium	310000	mg/kg	28-Jan-09 10:04	JMW
Calcium	320000	mg/kg Dry	28-Jan-09 10:04	JMW
Chromium	6.2	mg/kg	28-Jan-09 10:04	JMW
Chromium	6.2	mg/kg Dry	28-Jan-09 10:04	JMW
Cobalt	<	2 mg/kg	28-Jan-09 10:04	JMW
Cobalt	<	2 mg/kg Dry	28-Jan-09 10:04	JMW

**PDC Laboratories, Inc.**

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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 6020

	Result	Units	Date/Time	Analyst
Copper	<	3 mg/kg	29-Jan-09 8:30	JMW
Copper	<	3 mg/kg Dry	29-Jan-09 8:30	JMW
Lead	<	1 mg/kg	28-Jan-09 10:04	JMW
Lead	<	1 mg/kg Dry	28-Jan-09 10:04	JMW
Magnesium	16000	mg/kg	28-Jan-09 10:04	JMW
Magnesium	17000	mg/kg Dry	28-Jan-09 10:04	JMW
Manganese	58	mg/kg	28-Jan-09 10:04	JMW
Manganese	59	mg/kg Dry	28-Jan-09 10:04	JMW
Mercury	<	0.2 mg/kg	28-Jan-09 10:04	JMW
Mercury	<	0.2 mg/kg Dry	28-Jan-09 10:04	JMW
Nickel	23	mg/kg	28-Jan-09 10:04	JMW
Nickel	23	mg/kg Dry	28-Jan-09 10:04	JMW
Potassium	270	mg/kg	28-Jan-09 10:04	JMW
Potassium	270	mg/kg Dry	28-Jan-09 10:04	JMW
Selenium	<	1 mg/kg	28-Jan-09 10:04	JMW
Selenium	<	1 mg/kg Dry	28-Jan-09 10:04	JMW
Silver	<	5 mg/kg	28-Jan-09 10:04	JMW
Silver	<	5.1 mg/kg Dry	28-Jan-09 10:04	JMW
Sodium	150	mg/kg	28-Jan-09 10:04	JMW
Sodium	160	mg/kg Dry	28-Jan-09 10:04	JMW
Thallium	<	1 mg/kg	28-Jan-09 10:04	JMW
Thallium	<	1 mg/kg Dry	28-Jan-09 10:04	JMW
Vanadium	<	5 mg/kg	28-Jan-09 10:04	JMW
Vanadium	<	5.1 mg/kg Dry	28-Jan-09 10:04	JMW
Zinc	15	mg/kg	28-Jan-09 10:04	JMW
Zinc	15	mg/kg Dry	28-Jan-09 10:04	JMW

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
4,4'-DDD	<	16 ug/kg	22-Jan-09 3:29	JMT
4,4'-DDE	Q<	16 ug/kg	22-Jan-09 3:29	JMT
4,4'-DDT	<	16 ug/kg	22-Jan-09 3:29	JMT
Aldrin	<	8 ug/kg	22-Jan-09 3:29	JMT
alpha-BHC	<	0.35 ug/kg	22-Jan-09 3:29	JMT



PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 692-9688 • (800) 752-6551 • FAX (309) 692-9689



Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8081A R1.0

	Result	Units	Date/Time	Analyst
beta-BHC	<	8 ug/kg	22-Jan-09 3:29	JMT
Chlordane (technical)	<	160 ug/kg	22-Jan-09 3:29	JMT
delta-BHC	<	8 ug/kg	22-Jan-09 3:29	JMT
Dieldrin	<	2 ug/kg	22-Jan-09 3:29	JMT
Endosulfan I	<	8 ug/kg	22-Jan-09 3:29	JMT
Endosulfan II	<	16 ug/kg	22-Jan-09 3:29	JMT
Endosulfan Sulfate	<	16 ug/kg	22-Jan-09 3:29	JMT
Endrin	<	16 ug/kg	22-Jan-09 3:29	JMT
Endrin Aldehyde	Q<	16 ug/kg	22-Jan-09 3:29	JMT
gamma-BHC (Lindane)	<	5 ug/kg	22-Jan-09 3:29	JMT
Heptachlor	<	8 ug/kg	22-Jan-09 3:29	JMT
Heptachlor Epoxide	<	8 ug/kg	22-Jan-09 3:29	JMT
Methoxychlor	<	80 ug/kg	22-Jan-09 3:29	JMT
Toxaphene	<	80 ug/kg	22-Jan-09 3:29	JMT

SW-846 8082

Sample Preparation

Result	Units	Date/Time	Analyst
		19-Jan-09 12:00	AMG2

SW-846 8082 R0.0

	Result	Units	Date/Time	Analyst
Aroclor 1016	<	0.08 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1016	<	0.081 mg/kg Dry	22-Jan-09 0:06	JMT
Aroclor 1221	<	0.16 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1221	<	0.16 mg/kg Dry	22-Jan-09 0:06	JMT
Aroclor 1232	<	0.08 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1232	<	0.081 mg/kg Dry	22-Jan-09 0:06	JMT
Aroclor 1242	<	0.08 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1242	<	0.081 mg/kg Dry	22-Jan-09 0:06	JMT
Aroclor 1248	<	0.08 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1248	<	0.081 mg/kg Dry	22-Jan-09 0:06	JMT
Aroclor 1254	<	0.16 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1254	<	0.16 mg/kg Dry	22-Jan-09 0:06	JMT
Aroclor 1260	<	0.16 mg/kg	22-Jan-09 0:06	JMT
Aroclor 1260	<	0.16 mg/kg Dry	22-Jan-09 0:06	JMT
PCBs Total	<	0.8 mg/kg	22-Jan-09 0:06	JMT

**PDC Laboratories, Inc.**

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(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689

Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8082 R0.0

PCBs Total

	Result	Units	Date/Time	Analyst
<	0.81	mg/kg Dry	22-Jan-09 0:06	JMT

SW-846 8260B R2.0

1,1,1-Trichloroethane

	Result	Units	Date/Time	Analyst
<	0.0043	mg/kg	20-Jan-09 15:30	AMG

1,1,1-Trichloroethane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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1,1,2,2-Tetrachloroethane

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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1,1,2,2-Tetrachloroethane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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1,1,2-Trichloroethane

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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1,1,2-Trichloroethane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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1,1-Dichloroethane

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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1,1-Dichloroethane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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1,1-Dichloroethene

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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1,1-Dichloroethene

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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1,2-Dichloroethane

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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1,2-Dichloroethane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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1,2-Dichloropropane

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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1,2-Dichloropropane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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2-Butanone

<	0.0086	mg/kg	20-Jan-09 15:30	AMG
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2-Butanone

<	0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
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2-Hexanone

<	0.0086	mg/kg	20-Jan-09 15:30	AMG
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2-Hexanone

<	0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
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4-Methyl-2-pentanone

<	0.0086	mg/kg	20-Jan-09 15:30	AMG
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4-Methyl-2-pentanone

<	0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
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Acetone

<	0.0086	mg/kg	20-Jan-09 15:30	AMG
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Acetone

<	0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
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Benzene

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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Benzene

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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Bromodichloromethane

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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Bromodichloromethane

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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Bromoform

<	0.0043	mg/kg	20-Jan-09 15:30	AMG
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Bromoform

<	0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
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Bromomethane

<	0.0086	mg/kg	20-Jan-09 15:30	AMG
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Bromomethane

<	0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
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PDC Laboratories, Inc.

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9668 • (800) 752-6851 • FAX (309) 692-9689



Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Carbon Disulfide	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Carbon Disulfide	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Carbon Tetrachloride	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Carbon Tetrachloride	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Chlorobenzene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Chlorobenzene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Chloroethane	< 0.0086	mg/kg	20-Jan-09 15:30	AMG
Chloroethane	< 0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
Chloroform	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Chloroform	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Chloromethane	< 0.0086	mg/kg	20-Jan-09 15:30	AMG
Chloromethane	< 0.0087	mg/kg Dry	20-Jan-09 15:30	AMG
cis-1,2-Dichloroethene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
cis-1,2-Dichloroethene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
cis-1,3-Dichloropropene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
cis-1,3-Dichloropropene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Dibromochloromethane	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Dibromochloromethane	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Ethylbenzene	< 0.0017	mg/kg	20-Jan-09 15:30	AMG
Ethylbenzene	< 0.0017	mg/kg Dry	20-Jan-09 15:30	AMG
m,p-Xylene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
m,p-Xylene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Methylene Chloride	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Methylene Chloride	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Methyl-tert-Butyl Ether	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Methyl-tert-Butyl Ether	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
o-Xylene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
o-Xylene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Styrene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Styrene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Tetrachloroethene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG
Tetrachloroethene	< 0.0044	mg/kg Dry	20-Jan-09 15:30	AMG
Toluene	< 0.0043	mg/kg	20-Jan-09 15:30	AMG



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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8260B R2.0

	Result	Units	Date/Time	Analyst
Toluene	<	0.0044 mg/kg Dry	20-Jan-09 15:30	AMG
trans-1,2-Dichloroethene	<	0.0043 mg/kg	20-Jan-09 15:30	AMG
trans-1,2-Dichloroethene	<	0.0044 mg/kg Dry	20-Jan-09 15:30	AMG
trans-1,3-Dichloropropene	<	0.0043 mg/kg	20-Jan-09 15:30	AMG
trans-1,3-Dichloropropene	<	0.0044 mg/kg Dry	20-Jan-09 15:30	AMG
Trichloroethene	<	0.0043 mg/kg	20-Jan-09 15:30	AMG
Trichloroethene	<	0.0044 mg/kg Dry	20-Jan-09 15:30	AMG
Vinyl Chloride	<	0.0086 mg/kg	20-Jan-09 15:30	AMG
Vinyl Chloride	<	0.0087 mg/kg Dry	20-Jan-09 15:30	AMG
Xylenes (Total)	<	0.0086 mg/kg	20-Jan-09 15:30	AMG
Xylenes (Total)	<	0.0087 mg/kg Dry	20-Jan-09 15:30	AMG

SW-846 8270C

	Result	Units	Date/Time	Analyst
Sample Preparation			19-Jan-09 11:55	AMG2
Sample Preparation			22-Jan-09 11:45	AMG2

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
1,2,4-Trichlorobenzene	<	330 ug/kg	23-Jan-09 22:37	PSB
1,2,4-Trichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
1,2-Dichlorobenzene	<	330 ug/kg	23-Jan-09 22:37	PSB
1,2-Dichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
1,3-Dichlorobenzene	<	330 ug/kg	23-Jan-09 22:37	PSB
1,3-Dichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
1,4-Dichlorobenzene	<	330 ug/kg	23-Jan-09 22:37	PSB
1,4-Dichlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2,4,5-Trichlorophenol	<	1600 ug/kg	23-Jan-09 22:37	PSB
2,4,5-Trichlorophenol	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
2,4,6-Trichlorophenol	<	330 ug/kg	23-Jan-09 22:37	PSB
2,4,6-Trichlorophenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2,4-Dichlorophenol	<	330 ug/kg	23-Jan-09 22:37	PSB
2,4-Dichlorophenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2,4-Dimethylphenol	<	330 ug/kg	23-Jan-09 22:37	PSB
2,4-Dimethylphenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2,4-Dinitrophenol	<	1600 ug/kg	23-Jan-09 22:37	PSB



PDC Laboratories, Inc.
P.O. Box 9071 • Peoria, IL 61612-9071
(309) 682-9688 • (800) 752-6651 • FAX (309) 682-9683



Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09
Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
2,4-Dinitrophenol	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
2,4-Dinitrotoluene	<	330 ug/kg	23-Jan-09 22:37	PSB
2,4-Dinitrotoluene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2,6-Dinitrotoluene	<	330 ug/kg	23-Jan-09 22:37	PSB
2,6-Dinitrotoluene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2-Chloronaphthalene	<	330 ug/kg	23-Jan-09 22:37	PSB
2-Chloronaphthalene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2-Chlorophenol	<	330 ug/kg	23-Jan-09 22:37	PSB
2-Chlorophenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2-Methylnaphthalene	<	330 ug/kg	23-Jan-09 22:37	PSB
2-Methylnaphthalene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2-Methylphenol	<	330 ug/kg	23-Jan-09 22:37	PSB
2-Methylphenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
2-Nitroaniline	<	1600 ug/kg	23-Jan-09 22:37	PSB
2-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
2-Nitrophenol	<	1600 ug/kg	23-Jan-09 22:37	PSB
2-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
3,3'-Dichlorobenzidine	<	660 ug/kg	23-Jan-09 22:37	PSB
3,3'-Dichlorobenzidine	<	670 ug/kg Dry	23-Jan-09 22:37	PSB
3-Nitroaniline	<	1600 ug/kg	23-Jan-09 22:37	PSB
3-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
4,6-Dinitro-2-methylphenol	<	1600 ug/kg	23-Jan-09 22:37	PSB
4,6-Dinitro-2-methylphenol	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
4-Bromophenyl-phenylether	<	330 ug/kg	23-Jan-09 22:37	PSB
4-Bromophenyl-phenylether	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
4-Chloro-3-Methylphenol	<	330 ug/kg	23-Jan-09 22:37	PSB
4-Chloro-3-Methylphenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
4-Chloroaniline	<	330 ug/kg	23-Jan-09 22:37	PSB
4-Chloroaniline	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
4-Chlorophenyl-phenyl Ether	<	330 ug/kg	23-Jan-09 22:37	PSB
4-Chlorophenyl-phenyl Ether	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
4-Methylphenol	<	330 ug/kg	23-Jan-09 22:37	PSB
4-Methylphenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB



PDC Laboratories, Inc.

P.O. Box 9071 • Peoria, IL 61612-9071

(309) 692-9688 • (800) 752-6651 • FAX (309) 692-9689



Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
4-Nitroaniline	<	1600 ug/kg	23-Jan-09 22:37	PSB
4-Nitroaniline	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
4-Nitrophenol	<	1600 ug/kg	23-Jan-09 22:37	PSB
4-Nitrophenol	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
Acenaphthene	<	330 ug/kg	23-Jan-09 22:37	PSB
Acenaphthene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Acenaphthylene	<	330 ug/kg	23-Jan-09 22:37	PSB
Acenaphthylene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Anthracene	<	330 ug/kg	23-Jan-09 22:37	PSB
Anthracene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Benzo(a)anthracene	<	330 ug/kg	23-Jan-09 22:37	PSB
Benzo(a)anthracene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Benzo(a)pyrene	<	330 ug/kg	23-Jan-09 22:37	PSB
Benzo(a)pyrene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Benzo(b)fluoranthene	<	330 ug/kg	23-Jan-09 22:37	PSB
Benzo(b)fluoranthene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Benzo(g,h,i)perylene	<	330 ug/kg	23-Jan-09 22:37	PSB
Benzo(g,h,i)perylene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Benzo(k)fluoranthene	<	330 ug/kg	23-Jan-09 22:37	PSB
Benzo(k)fluoranthene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
bis(2-Chloroethoxy)methane	<	330 ug/kg	23-Jan-09 22:37	PSB
bis(2-Chloroethoxy)methane	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
bis(2-Chloroethyl) Ether	<	330 ug/kg	23-Jan-09 22:37	PSB
bis(2-Chloroethyl) Ether	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Bis(2-chloroisopropyl)ether	<	330 ug/kg	23-Jan-09 22:37	PSB
Bis(2-chloroisopropyl)ether	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
bis(2-Ethylhexyl)phthalate	<	330 ug/kg	23-Jan-09 22:37	PSB
bis(2-Ethylhexyl)phthalate	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Butylbenzylphthalate	<	330 ug/kg	23-Jan-09 22:37	PSB
Butylbenzylphthalate	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Chrysene	<	330 ug/kg	23-Jan-09 22:37	PSB
Chrysene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Dibenzo(a,h)anthracene	<	330 ug/kg	23-Jan-09 22:37	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
Dibenzo(a,h)anthracene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Dibenzofuran	<	330 ug/kg	23-Jan-09 22:37	PSB
Dibenzofuran	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Diethylphthalate	<	330 ug/kg	23-Jan-09 22:37	PSB
Diethylphthalate	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Dimethylphthalate	<	330 ug/kg	23-Jan-09 22:37	PSB
Dimethylphthalate	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Di-n-Butylphthalate	<	330 ug/kg	23-Jan-09 22:37	PSB
Di-n-Butylphthalate	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Di-n-octylphthalate	<	330 ug/kg	23-Jan-09 22:37	PSB
Di-n-octylphthalate	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Fluoranthene	<	330 ug/kg	23-Jan-09 22:37	PSB
Fluoranthene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Fluorene	<	330 ug/kg	23-Jan-09 22:37	PSB
Fluorene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Hexachlorobenzene	<	330 ug/kg	23-Jan-09 22:37	PSB
Hexachlorobenzene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Hexachlorobutadiene	<	330 ug/kg	23-Jan-09 22:37	PSB
Hexachlorobutadiene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Hexachlorocyclopentadiene	<	330 ug/kg	23-Jan-09 22:37	PSB
Hexachlorocyclopentadiene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Hexachloroethane	<	330 ug/kg	23-Jan-09 22:37	PSB
Hexachloroethane	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Indeno(1,2,3-cd)pyrene	<	330 ug/kg	23-Jan-09 22:37	PSB
Indeno(1,2,3-cd)pyrene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Isophorone	<	330 ug/kg	23-Jan-09 22:37	PSB
Isophorone	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Naphthalene	<	330 ug/kg	23-Jan-09 22:37	PSB
Naphthalene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Nitrobenzene	<	330 ug/kg	23-Jan-09 22:37	PSB
Nitrobenzene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
N-Nitroso-di-n-propylamine	<	330 ug/kg	23-Jan-09 22:37	PSB
N-Nitroso-di-n-propylamine	<	330 ug/kg Dry	23-Jan-09 22:37	PSB



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Pangea, Inc
2604 S. Jefferson Ave.

St. Louis, MO 63118-1505

Attn: Mr. Scott Ely

Date Received: 19-Jan-09

Date Reported: 29-Jan-09

Sample No: 09012657-4

Collect Date: 15-Jan-09 15:00

Client Id: CASPER STOLLE

Site: QUARRY SAMPLE #4

Locator: GRAB

SW-846 8270C R3.0

	Result	Units	Date/Time	Analyst
N-Nitrosodiphenylamine	<	330 ug/kg	23-Jan-09 22:37	PSB
N-Nitrosodiphenylamine	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Pentachlorophenol	<	1600 ug/kg	23-Jan-09 22:37	PSB
Pentachlorophenol	<	1700 ug/kg Dry	23-Jan-09 22:37	PSB
Phenanthrene	<	330 ug/kg	23-Jan-09 22:37	PSB
Phenanthrene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Phenol	<	330 ug/kg	23-Jan-09 22:37	PSB
Phenol	<	330 ug/kg Dry	23-Jan-09 22:37	PSB
Pyrene	<	330 ug/kg	23-Jan-09 22:37	PSB
Pyrene	<	330 ug/kg Dry	23-Jan-09 22:37	PSB

SW-846 9045 C

	Result	Units	Date/Time	Analyst
pH	9.05	units	20-Jan-09 14:41	WRW

Certified by:

Lisa Grant, Project Manager

PDC Laboratories participates in the following laboratory accreditation/certification and proficiency programs. Endorsement by the Federal or State Government or their agencies is not implied.

NELAP Accreditation for Drinking Water, Wastewater, Hazardous and Solid Wastes Fields of Testing through IL EPA Lab No. 100230

State of Illinois Bacteriological Analysis in Drinking Water Certified Lab Registry No. 17533

Drinking Water Certifications: Indiana (C-IL-04); Kansas (E-10338); Kentucky (90058); Missouri (00870); Wisconsin (998294430)

Wastewater Certifications: Arkansas; Iowa (240); Kansas (E-10338); Wisconsin (99829443)

Hazardous/Solid Waste Certifications: Arkansas; Kansas (E-10338); Wisconsin (998294430)

UST Certification: Iowa (240)





ATTACHMENT D
BORING LOG,
MONITORING WELL AS-BUILT DIAGRAM,
DEVELOPMENT SHEET

LOG OF BORING MA-MW01									
Depth In feet	Inches Driven	Inches Recovered	PP, TSF	PID (ppm)	Sampler Graphic	Symbol	USCS	Completion Date: 2/13/09 Casing Elevation: Ground Elevation:	Coordinates Northing: N/A Easting: N/A
								DESCRIPTION	NOTES
5	48	30	2.0 0.0 1.5	0.0			FILL	Loose, gray gravel (FILL)	Sampler pushed, through 2 1/4" diameter casing, with 1" diameter rods
							CL	Soft, moist, brown, low plasticity Silty CLAY, with sand and gravel (FILL)	
							SP	Loose, moist, dark brown SAND, with cinders and gravel (FILL)	
							CL	Medium stiff, moist, medium plasticity Silty CLAY, with sand and gravel (FILL)	
10	48	10	1.5 0.0	0.0			CL	Medium stiff, moist, olive gray, medium plasticity, Silty CLAY (CL), trace sand and gravel	
							SM	Grades to medium dense, moist, olive gray, Silty SAND (SM)	
							CL	Medium stiff, moist, olive gray, medium plasticity, Silty CLAY (CL)	
							ML	Medium stiff, wet, olive gray, Clayey SILT (ML)	
15	48	39	1.0 0.0 1.5	0.0			CL	Medium stiff, moist, brownish gray, medium plasticity, Silty CLAY (CL)	
							SM	Medium dense, wet, brownish gray, Silty SAND (SM), trace clay	
							CL	Medium stiff, moist, brownish gray, medium plasticity, Silty CLAY (CL)	
20	48	44	0.0 0.0 0.1 0.9	0.0				Dense, wet, gray, fine to medium SAND (SP)	

Completion Depth: ft bgs
 Project No.: 21562122.00005
 Project Name: Solutia WKG Corrective Measure WP/Monitoring Well Installation
 Drilling Contractor: REDI
 Drilling method: AMS Powerprobe 9700-VTR
 Logged by: Mike Corbett

Water Depth: 13 ft., After ATD hrs.
 Water Depth: _____ ft., After _____ hrs.
☐ Water level at time of drilling ☒ Geoprobe Macro Sampler
☒ Water level after drilling ☒ Air Knife/Hand Auger Sampler
 ATD - At time of drilling ☒ Air Rotary
☒ Splitspoon Sampler ☒ 3" Clear Acetate Liner
☒ Hollow Stem Auger-Soil samples not collected USC based on field visual observations

URS

LOG OF BORING MA-MW01									
Depth In feet	Inches Driven	Inches Recovered	PP, TSF	PID (ppm)	Sampler Graphic	Symbol	USCS	Completion Date: 2/13/09 Casing Elevation: Ground Elevation:	Coordinates Northing: N/A Easting: N/A
								DESCRIPTION	NOTES
	48	48		0.4			SP	Medium dense, wet, brownish gray, Silty SAND (SM), trace clay	Installed monitoring well to depth of 25.76' bgs
				0.1				Bottom of boring 28' bgs	
30									
35									
40									
45									

Installed monitoring well to depth of 25.76' bgs

Completion Depth: ft bgs
 Project No.: 21562122.00005
 Project Name: Solutia WGK Corrective Measure WP/Monitoring Well Installation
 Drilling Contractor: REDI
 Drilling method: AMS Powerprobe 9700-VTR
 Logged by: Mike Corbett

Water Depth: 13 ft., After ATD hrs.
 Water Depth: _____ ft., After _____ hrs.
☐ Water level at time of drilling ☒ Geoprobe Macro Sampler
☒ Water level after drilling ☐ Air Knife/Hand Auger Sampler
 ATD - At time of drilling ☐ Air Rotary
☐ Splitspoon Sampler ☐ 3" Clear Acetate Liner
☐ Hollow Stem Auger- USC based on field
 Soil samples not collected visual observations

URS

Monitoring Well Installation Details
Flush Mount Monitoring Well Construction Diagram



Project:	Solutia WGK Corrective Measures/Monitoring Well Installation			Well ID:	MA-MW01
Project Location:	Sauget, IL	Date Started:	2/13/2009		
Well Location:	Mercury Area	Date Completed:	2/13/2009	Boring ID:	MA-MW01
Drilling Contractor:	REDI	Time Seal Set:	1130	Northing:	1051.70
Driller:	Eric Wetzel	Type of Rig:	AMS Powerprobe 9700-VTR	Easting:	1017.60
Consulting Firm:	URS Corporation	Drilling Method:	4.25" ID Hollow Stem Auger	Elevation Datum:	
Geologist:	Mike Corbett	Completion Zone:	SHU		

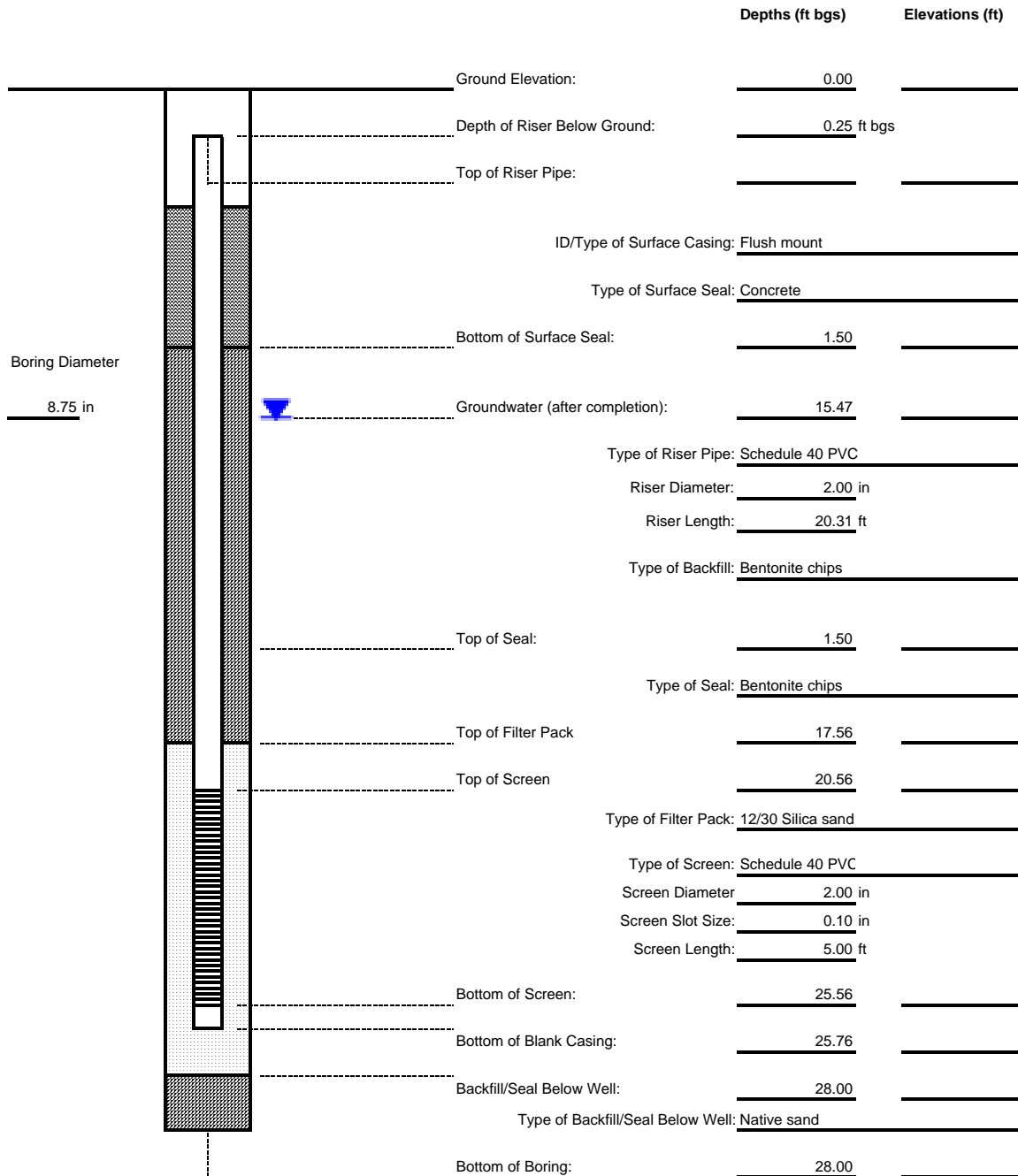


DIAGRAM IS NOT TO SCALE

GROUNDWATER DEVELOPMENT/SAMPLING DATA SHEET

PROJECT NAME: W6K Well Installation - Mercury AreaPROJECT NUMBER: 21562122.00005DATE: 2/18/09WEATHER: sunny, 45°FIELD PERSONNEL: Mike Corbett (URS)MONITORING WELL ID: MA-MW01

INITIAL DATA

Well Diameter: 2 in.Total Depth of Well: 24.75 ftDepth to Water: 15.22 ftHeight of Water Column: 9.53 ft

1 0.163 gallons/ft for 2 inch well, 0.653 gallons/ft for 4-inch well

Gallons/Lin.Ft: 0.163Vol. Of Water Column: 1.65 gallonsMin. Purge Volume: 4.65 gallons (3 volumes)Depth to Top of Screen: 20.51 ftAmbient PID/FID Reading: 0.0 ppmWellbore PID/FID Reading: 0.0 ppmLNAPL / DNAPL: — ft

PURGE DATA

Purge Method: Super Twister Pump

Purge Volume (gals)	Time	Depth to Water (ft)	Color	Odor	pH	Temp (°C)	Cond. (µmhos/cm)	Turbidity (NTUs)	DO (mg/l)	ORP (mv)
0	1330	17.04	brown	none	7.88	14.77	3.231	1206.1		
10	1335	18.64			7.86	14.83	3.230	1056.7		
20	1340	17.52			7.87	14.89	3.223	906.0		
40*	1350	17.36			7.82	15.01	3.220	119.7		
52	1422	16.55			7.82	15.23	3.218	56.6		
70	1431	16.53			7.82	14.97	3.216	56.4		
80*	1436				7.81	15.55	3.206	43.1		
84	1508				7.81	14.88	3.204	44.7		
88	1510				7.81	14.64	3.200	46.8		
92	1514	✓	✓	✓	7.81	14.88	3.201	42.9		

Start Time: 1330Average Purge Rate (gallons/min): ~1 gal/minPurge Stop Time: 1522Well Volumes Purged: 64.52Elapsed Time: 112 minutesWater Quality Meter ID: U3135XTotal Volume Purged: 100.00 gallonsCalibrated on: 2/16/09

SAMPLING DATA

Sampling Method:

Sample Date:

Sample Time:

Analysis:

COMMENTS:

* Mobilized to empty development water into drums.

Well surged every 10 gallons with a 5 ft slug.

Final depth to bottom (at toe): 25.51 (solid bottom).

0.76 ft of sediment was removed during development.

PURGE DATA CONTINUED:[illegible]

COMMENTS: