

3rd 97A



# Environmental Services Company, Inc.

CORPORATE OFFICE:  
1375 W. MARKHAM - P.O. BOX 55146  
LITTLE ROCK, ARKANSAS 72215  
(501) 221-2565 - FAX NO. (501) 221-1341  
E-MAIL: corporate@esclabs.com

NORTHWEST BRANCH:  
1107 CENTURY  
SPRINGDALE, ARKANSAS 72762  
(501) 750-1170 - FAX NO. (501) 750-1172  
E-MAIL: nwbranch@esclabs.com

October 13, 1999

33142

City of Bentonville Wastewater Dept  
ATTN: Ms Belva Plumlee  
1901 N.E. A Street  
Bentonville, AR 72712

**SUBJECT:** Permit # **FAY11** Sunray Services, Inc., P.O. Box 1310, Springdale, Ar. 72765-1310  
**Locations:** 001, 002, 003, 005, 006 and 007 at 18200 Stutts Road, Tontitown, Ar.

Dear Ms. Georgiou:

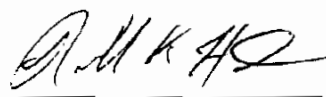
Please find the self-monitoring data for the third quarter (July thru September) of 1999.  
Please let us know if you have any questions regarding any portion of this report.

I certify under penalty of law that this document and all attachments under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

No violations of the permit limitations were found during the Third Quarter of 1999

Sincerely, Authorized Representative

  
\_\_\_\_\_  
Vernon L. Pate,  
Branch Manager  
Environmental Services Co., Inc.

  
\_\_\_\_\_  
Ron Hunt  
Landfill Manager  
Waste Management, Inc.



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## Waste Management, Inc., Tontitown, AR

### Leachate Report for: The City of Bentonville, AR

Sample ID:	SUN001	SUN001	SUN001	SUN001	SUN001	SUN001	SUN001	SUN001
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.004600	0.004600	0.004600	0.004600	0.004600	0.004600	0.004600	0.004600
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.02	0.01	0.05
Mass (lb/day):	0.000	0.001	0.001	0.002	0.000	0.001	0.000	0.002

Sample ID:	SUN002	SUN002	SUN002	SUN002	SUN002	SUN002	SUN002	SUN002
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.023000	0.023000	0.023000	0.023000	0.023000	0.023000	0.023000	0.023000
Concentration (mg/l):	0.01	0.03	0.093	0.05	0.0016	0.13	0.01	1.22
Mass (lb/day):	0.002	0.006	0.018	0.010	0.000	0.025	0.002	0.234

Sample ID:	SUN003	SUN003	SUN003	SUN003	SUN003	SUN003	SUN003	SUN003
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.133400	0.133400	0.133400	0.133400	0.133400	0.133400	0.133400	0.133400
Concentration (mg/l):	0.011	0.03	0.03	0.05	0.001	0.02	0.01	0.139
Mass (lb/day):	0.012	0.033	0.033	0.058	0.001	0.022	0.011	0.155

Sample ID:	SUN005	SUN005	SUN005	SUN005	SUN005	SUN005	SUN005	SUN005
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.168750	0.168750	0.168750	0.168750	0.168750	0.168750	0.168750	0.168750
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.08	0.01	0.265
Mass (lb/day):	0.014	0.042	0.042	0.070	0.001	0.113	0.014	0.373

Sample ID:	SUN006	SUN006	SUN006	SUN006	SUN006	SUN006	SUN006	SUN006
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.219350	0.219350	0.219350	0.219350	0.219350	0.219350	0.219350	0.219350
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.02	0.01	0.29
Mass (lb/day):	0.018	0.055	0.055	0.091	0.002	0.037	0.018	0.531



# Environmental Services Company, Inc.

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 (501) 750-1170 - FAX NO. (501) 750-1172  
 E-MAIL: nwbranch@esclabs.com

## Waste Management, Inc., Tontitown, AR

### Leachate Report for: The City of Bentonville, AR

Sample ID:	SUN007	SUN007	SUN007	SUN007	SUN007	SUN007	SUN007	SUN007
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.04	0.01	0.114
Mass (lb/day):	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Max mg/l from above data:	0.0110	0.0300	0.0930	0.0500	0.0016	0.1300	0.0100	1.2200
Permit limits (lb/day):	0.003	0.048	0.136	0.041		0.074		0.887
Max gallons/day (in million gallons) within permit limits based on each of the above parameters:	0.0327011	0.1918465	0.1753436	0.0983213		0.0682531		0.0871762

Max gallons/day (in million gallons) within permit limits based on all the above data:	0.0327011 million gallons/day
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**Environmental Services Co., Inc.**

13715 West Markham  
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1107 Century  
Springdale, AR 72764

1704 Shelby Oaks Dr. N.  
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Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 10/13/99

Type Of Sample : GRAB

Control Number: 9907020168

Customer Name : WASTE MANAGEMENT, INC.-TONTOWN

Sample Collected From: S. PHASE I

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Time Of Sample: 1420

Delivered To Lab By : S. ISAACKS

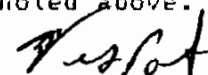
Purchase Order:

Analysis							Quality Assurance		
Date	Time	By	Parameter	Concentration	Units	Method	Edition or Ref.	Duplicates	% Spike Recovery
08/05	0900	EMB	T Arsenic	0.0080	MG/L	206.2	EPA	0.0060	73.2 *
08/05	1300	EMB	T Selenium	0.0020	MG/L	270.2	EPA	0.0130	125.8 *
07/16	1420	SI	pH	6.45	S.U.	150.1	EPA	7.16	7.17 *
08/03	0920	EMB	T Chromium	0.0300	MG/L	218.1	EPA	1.0250	103.3 *
08/02	1022	EMB	T Copper	0.0300	MG/L	220.1	EPA	2.5750	88.0 *
08/04	0812	EMB	T Lead	0.0500	MG/L	239.1	EPA	0.9770	99.4 *
08/06	0800	EMB	T Mercury	0.0010	MG/L	245.1	EPA	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.0800	MG/L	249.1	EPA	1.1800	100.3 *
07/30	1705	EMB	T Silver	0.0100	MG/L	272.1	EPA	0.8460	84.3
08/02	1022	EMB	T Zinc	0.2650	MG/L	289.1	EPA	1.5800	93.1 *
08/02	1022	EMB	T Cadmium	0.0100	MG/L	213.1	EPA	1.0030	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature \_\_\_\_\_



Environmental Services Co., Inc.

Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2565 FAX: (501) 221-1341

### CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information		Project Information						Requested Parameters										
Company Name: Sunray Services, Inc.		Permit/Project #:						Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: P. O. Box 1310 Springdale, AR 72765		Purchase Order #:																
Telephone: 751-7024		Sampler Name(s): <u>SAM ISAACKS</u>																
FAX: 751-7924		and Signature(s): <u>[Signature]</u>																
ESC Client Number: 1123																		
Sample Identification		Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
So Phase I	7-016-B	7/10/99	1420	Grab	Leachate	Plastic	1/2 gal	Nitric	1	X	X							
		L	L					None	1			X						
Relinquished By: (Signature and Printed Name) <u>SAM ISAACKS</u>		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used? <input type="checkbox"/> Infact? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Turnaround:										
				<u>[Signature]</u>		7-16-99	1525	Regular <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
Comments: Special reporting format to be used pH 6.45 31.7°C																		

**Environmental Services Co., Inc.**

15715 West Markham  
P.O. Box 5644  
Little Rock, AR 72215

1107 Century  
Springdale, AR 72764

1704 Shelby Oaks Dr. N.  
Memphis, TN 38134

Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date of Report: 10/13/99

Type of Sample : GRAB

Control Number: 9907020169

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: SITE III

Work Order No.:

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Purchase Order:

Time Of Sample: 1430

Delivered To Lab By : S. ISAACKS

Analysis

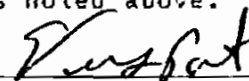
Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	% Spike Recovery	
08/05	0900	EMB	T Arsenic	0.0010		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium <	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.8 *
07/16	1430	SI	pH	6.36		S.U.			150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium <	0.0300		MG/L			218.1	EPA	1.0250	1.0500	103.3 *
08/02	1022	EMB	T Copper <	0.0300		MG/L			220.1	EPA	2.5750	2.5250	88.0 *
08/04	0812	EMB	T Lead <	0.0500		MG/L			239.1	EPA	0.9770	1.0100	99.4 *
08/06	0800	EMB	T Mercury <	0.0010		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel <	0.0200		MG/L			249.1	EPA	1.1800	1.1800	100.3 *
07/30	1705	EMB	T Silver <	0.0100		MG/L			272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc <	0.0500		MG/L			289.1	EPA	1.5800	1.5850	93.1 *
08/02	1022	EMB	T Cadmium <	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature \_\_\_\_\_



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Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 01/19/00

Type Of Sample : GRAB

Control Number: 9910020209

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: SITE III

Work Order No.:

Sample Date: 10/15/99

Sample Collected By : S. ISAACKS

Purchase Order:

Time Of Sample: 1240

Delivered To Lab By : S. ISAACKS

Analysis

Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	Recovery	% Spike
0/15	1240	SI	pH	6.5		S.U.			150.1	EPA	6.9	6.9	*
11/18	1755	EMB	T Copper	< 0.0100		MG/L			220.1	EPA			
11/13	0919	EMB	T Nickel	< 0.0200		MG/L			249.1	EPA			
11/13	1041	EMB	T Zinc	0.0410		MG/L			289.1	EPA			
1/05	0800	EMB	TCLP As	0.0030		MG/L			7061	SW-846	0.0090	0.0100	93.6 *
1/08	0800	EMB	TCLP Se	< 0.0020		MG/L			7741	SW-846	0.0210	0.0190	99.6 *
1/03	1416	EMB	TCLP Ag	< 0.0100		MG/L			7760	SW-846	1.0100	0.9900	100.0 *
1/03	1732	EMB	TCLP Cr	< 0.0300		MG/L			7190	SW-846	1.1900	1.2000	115.6 *
1/03	1206	EMB	TCLP Pb	0.1000		MG/L			7420	SW-846	1.9000	1.9000	100.7 *
1/03	0939	EMB	TCLP Cd	< 0.0100		MG/L			7130	SW-846	0.8920	0.8570	87.4 *
1/09	0800	EMB	TCLP Hg	< 0.0005		MG/L			7470	SW-846	0.0016	0.0018	84.1 *
1/04	1128	EMB	TCLP Ba	0.5000		MG/L			7080	SW-846	9.8000	9.7000	92.8 *

QA data shown is from a different sample or standard on the same date.

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Signature \_\_\_\_\_

  
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 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215  
 website: [www.esclabs.com](http://www.esclabs.com)



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 1107 Century  
 Springdale, AR 72764

Phone: 501-221-2565 Fax: 501-221-1341

## CHAIN OF CUSTODY

Phone 501-750-1170 Fax: 501-750-1172

Client Information				Project Information						Requested Parameters									
Company Name: Waste Mngt. Inc. Tontitown				Permit/Project #:						pH water metals TCLP pesticides, semi. vol.									
Address: P.O. Box 1310				Purchase Order #:															
Springdale, AR 72765				Sampler Name(s): Sam Isaacks															
Telephone: 751 7024				and Signature(s):															
FAX: 751 7924																			
ESC Client Number: 1123																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
Site III	10-0209	10/15/99	1240	Grab	leachate	teflon	150ml	None	1	x									
		I	I	Grab	leachate	glass	40 ml	HCL	2		x								
				Grab	leachate	Plastic	1/2 gal	HNO3,pH<2	1			x							
				Grab	leachate	glass	1 qt	none	3				x						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:									
Sam Isaacks		10/15/99	1331							Used? <input type="checkbox"/> Intact? <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:									
										Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:									
				Mickey B. Bracke				10-15-99	1335	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Comments:				FLOW DATA		Field Test		Time	Analyst	Result	Result	Units							
				Analyst:		pH:				6.54									
				Time:		Temp.:				23.6		°C		°F					
				Reading:		DO:													
				Units:		Debris:													
Cool all samples to 4 degrees C.								Chlorinated? Yes No		This Document is Page 1 of 1									



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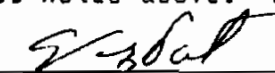
Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 01/17/00	Type Of Sample : GRAB	Control Number: 9911020217
Customer Name : WASTE MANAGEMENT, INC.-TONYITOWN	Sample Collected From: SITE IV	
Sample Date: 11/17/99	Sample Collected By : S. ISAACKS	Work Order No.:
Time Of Sample: 1410	Delivered To Lab By : S. ISAACKS	Purchase Order:

Analysis										<u>Quality Assurance</u>		
Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Duplicates	% Spike Recovery
11/19	1323	FJT	Ignitability	Non-Ignitable	> 140				1010	SW-846		
11/22	1450	BLM	Corrosivity	Non-Corrosive	< 6.35	MM/YR			1110	SW-846		
12/01	1132	FJT	Reactivity	Non-Reactive					Part 261	40 CFR		
11/17	1410	SI	pH	6.5		S.U.			150.1	EPA	8.7	8.7
01/18	1755	EMB	T Copper	0.0100		MG/L			220.1	EPA		
01/13	0919	EMB	T Nickel	0.0600		MG/L			249.1	EPA		
01/13	1041	EMB	T Zinc	0.1450		MG/L			209.1	EPA		
11/26	0800	EMB	TCLP As	0.0200		MG/L			7061	SW-846	0.0100	0.0100 96.4
11/24	1430	EMB	TCLP Se	0.0300		MG/L			7741	SW-846	0.0080	0.0090 89.3
11/29	1017	EMB	TCLP Ag	0.0100		MG/L			7760	SW-846	0.7600	0.7600 76.0 *
11/29	1227	EMB	TCLP Cr	0.0300		MG/L			7190	SW-846	1.0500	1.0400 104.0
11/29	0914	EMB	TCLP Pb	0.1000		MG/L			7420	SW-846	0.9000	0.9000 91.1 *
11/29	0914	EMB	TCLP Cd	0.0050		MG/L			7130	SW-846	0.9260	0.9060 91.6
11/30	1300	EMB	TCLP Hg	0.0005		MG/L			7470	SW-846	0.0021	0.0021 105.7 *
11/29	1413	EMB	TCLP Ba	0.4000		MG/L			7080	SW-846	0.9000	1.0000 94.6

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Signature   
Environmental Services Co., Inc.



**Environmental Services Co., Inc.**

13715 West Markham  
 P.O. Box 5644  
 Little Rock, AR 72215  
 Phone: (501) 221-2565 Fax: 221-1341

1107 Century  
 Springdale, AR 72764

Phone: (501) 750-1170 Fax: 750-1172

1708 Shelby Oaks Dr. N.  
 Memphis, TN 38134  
 Phone: (901) 372-9332 Fax: 372-9332

Date Of Report: 11/11/99  
 Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN  
 Sample Date: 10/15/99  
 Time Of Sample: 1211

Type Of Sample : GRAB  
 Sample Collected From: CLASS IV  
 Sample Collected By : S. ISAACKS  
 Delivered To Lab By : S. ISAACKS

Control Number: 9910020211  
 Work Order No.:  
 Purchase Order:

Analysis										Quality Assurance		
Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Duplicates	% Spik Recover
10/15	1211	SI	pH	7.01		S.U.			150.1	EPA	6.85	6.05
11/05	0800	EMB	TCLP As	0.0030		MG/L			7061	SW-846	0.0090	0.0100 93.6
11/08	0800	EMB	TCLP Se	0.0020	<	MG/L			7741	SW-846	0.0210	0.0190 99.6
11/03	1416	EMB	TCLP Ag	0.0100	<	MG/L			7760	SW-846	1.0100	0.9900 100.0
11/03	1732	EMB	TCLP Cr	0.0500		MG/L			7190	SW-846	1.1900	1.2000 115.6
11/03	1206	EMB	TCLP Pb	0.1000	<	MG/L			7420	SW-846	1.9000	1.9000 100.7
11/03	0939	EMB	TCLP Cd	0.0100	<	MG/L			7130	SW-846	0.8920	0.8570 87.4
11/09	0800	EMB	TCLP Hg	0.0005	<	MG/L			7470	SW-846	0.0016	0.0018 84.1
11/04	1128	EMB	TCLP Ba	2.6000		MG/L			7080	SW-846	9.8000	9.7000 92.8

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature   
 Environmental Services Co., Inc.

Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215  
 website: [www.esclabs.com](http://www.esclabs.com)



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: 501-221-2565 Fax: 501-221-1341

## CHAIN OF CUSTODY

Phone 501-750-1170 Fax: 501-750-1172

Client Information				Project Information						Requested Parameters				
Company Name: Waste Mngt. Inc. Tontitown				Permit/Project #:						pH Metals Total Suspended Solids etc.				
Address: P.O. Box 1310				Purchase Order #:										
Springdale, AR 72765				Sampler Name(s): Sam Isaacks										
Telephone: 751 7024				and Signature(s):										
FAX: 751 7924														
ESC Client Number: 1123														
Sample Identification		Sample Collection				Sample Containers								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	pH				
Class IV	10-0211	10/15/99	1211	Grab	leachate	teflon	150ml	None	1	X				
		I	I	Grab	leachate	glass	40 ml	HCL	2		X			
		I	I	Grab	leachate	Plastic	1/2 gal	HNO3,pH<2	1			X		
				Grab	leachate	glass	1 qt	none	3				X	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:				
Sam Isaacks		10/15/99	1331							Used?	<input type="checkbox"/>	Intact?	<input type="checkbox"/>	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:				
										Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>	
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:				
				Diana A. Brachee				10-15-99	1335	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units		
						Analyst:	pH:			7.01				
						Time:	Temp.:			21.8		°C	°F	
						Reading:	DO:							
						Units:	Debris:							
Cool all samples to 4 degrees C.						Chlorinated? Yes No			This Document is Page 1 of 1					

# Environmental Services Company, Inc.

Corporate Office  
13715 West Markham  
Little Rock, AR 72211  
Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
1107 Century Avenue  
Springdale, AR 72762  
Tel. (501)750-1170 Fax (501)750-1172

Control Number: 9912020207  
Customer Name : WASTE MANAGEMENT-CLASS IV  
Customer Number : 1307  
Report Date : 01/05/00

Sample Date : 12/14/99  
Sample Time : 1340  
Sample Type : GRAB  
Sample From : CLASS IV

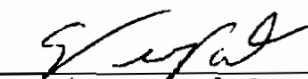
Collected By: S. ISAACKS  
Delivery By : S. ISAACKS  
Work Order :  
Purchase Order :

<u>Laboratory Analysis</u>							<u>Quality Assurance</u>	
Analysis			Result	Notes	Quantity	Method	Precision	Accuracy
Date	Time	By					Parameter	% RPD
12/15	1400	RHB	BOD, 5-day	55.0 mg/L		SM 18th 5210B	6.23	96.0 *
12/16	1200	BM	Chemical Oxygen Demand	463.00 mg/L		EPA 410.4	7.55	100.6 *
12/14	1340	SJI	pH	6.42 S.U.		EPA 150.1	0.00	N/A *
12/27	1436	EMB	Chromium, Total	0.0390 mg/L		EPA 218.1	3.77	106.0 *
12/27	0956	EMB	Copper	0.0160 mg/L		EPA 220.1	0.49	90.9 *
12/27	0853	EMB	Lead	< 0.030 mg/L		EPA 239.1	4.70	78.8 *
12/28	1300	EMB	Mercury	< 0.0005 mg/L		EPA 245.1	4.44	97.9 *
12/27	0926	EMB	Nickel	< 0.020 mg/L		EPA 249.1	1.05	95.3 *
12/27	1040	EMB	Silver	< 0.010 mg/L		EPA 272.1	0.66	90.3 *
12/27	0853	EMB	Zinc	0.135 mg/L		EPA 289.1	0.00	80.4 *
12/27	1508	EMB	Barium	3.0200 mg/L		EPA 208.1	0.00	68.9 *
12/27	0853	EMB	Cadmium	< 0.005 mg/L		EPA 213.1	1.37	87.8 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Quality Assurance Plan on file with Arkansas Department of Pollution Control and Ecology. Analysis time indicates the time of the start of the analytical batch in which the specific sample was included.

Signature



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 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215  
 website: www.esclabs.com



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

### CHAIN OF CUSTODY

Phone: 501-221-2565 Fax: 501-221-1341

Phone 501-750-1170 Fax: 501-750-1172

Client Information				Project Information							Requested Parameters			
Company Name:		Waste Mngt. Inc. Tontitown		Permit/Project #:							pH	Metals	BOD	COD
Address:		P.O. Box 1310		Purchase Order #:										
		Springdale, AR 72765		Sampler Name(s):		SAM ISACKS								
Telephone:		751 7024		and Signature(s):		<i>[Signature]</i>								
FAX:		751 7924												
ESC Client Number: 4123 1307														
Sample Identification		Sample Collection				Sample Containers								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#					
CLASS IV	1912090207	12/14/99	1340	Grab	leachate	teflon	150ml	None	1	x				
		I	I	Grab	leachate	Plastic	1/2 gal	HNO3, pH<2			x			
				"	"	"	"	NONE				x		
				"	"	"	"	H <sub>2</sub> SO <sub>4</sub> pH<2					x	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:						
<i>[Signature]</i>		12/14/99	1405	<i>[Signature]</i>				Used? <input checked="" type="checkbox"/> Intact? <input type="checkbox"/>						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:						
								Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>						
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	Were samples properly preserved:						
				<i>[Signature]</i>		12-14-99	1405	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>						
Comments:				FLOW DATA		Field Test	Time	Analyst	Result	Result	Units			
				Analyst:		pH:	1340	SIP	6.4	2	4F			
				Time:		Temp.:	I	>	150		4F			
				Reading:		DO:								
				Units:		Debris:								
Cool all samples to 4 degrees C.						Chlorinated? Yes No		This Document is Page 1 of 1						

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Phone: (501) 750-1170 Fax: 750-1172

1704 Shelby Oaks Dr. N.

Memphis, TN 38134

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 01/19/00	Type Of Sample : GRAB	Control Number: 9910020200
Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN	Sample Collected From: S. PHASE I	Work Order No.:
Sample Date: 10/15/99	Sample Collected By : S. ISAACKS	Purchase Order:
Time Of Sample: 1237	Delivered To Lab By : S. ISAACKS	

Analysis

Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Duplicates	% Spike Recovery
10/15	1237	SI	pH	6.9		S.U.	150.1		150.1	EPA	6.9	6.9 *
01/10	1755	EMB	T Copper	0.0130		MG/L	220.1		220.1	EPA		
01/13	0919	EMB	T Nickel	0.0700		MG/L	249.1		249.1	EPA		
01/13	1041	EMB	T Zinc	0.2060		MG/L	287.1		287.1	EPA		
11/05	0800	EMB	TCLP As	0.0060		MG/L	7061		7061	SW-846	0.0070	0.0100 93.6 *
11/08	0800	EMB	TCLP Se	< 0.0020		MG/L	7741		7741	SW-846	0.0210	0.0190 99.6 *
11/03	1416	EMB	TCLP Ag	< 0.0100		MG/L	7760		7760	SW-846	1.0100	0.9900 100.0 *
11/03	1732	EMB	TCLP Cr	< 0.0300		MG/L	7190		7190	SW-846	1.1900	1.2000 115.6 *
11/03	1206	EMB	TCLP Pb	< 0.1000		MG/L	7420		7420	SW-846	1.9000	1.9000 100.7 *
11/03	0939	EMB	TCLP Cd	< 0.0100		MG/L	7130		7130	SW-846	0.8920	0.8570 87.4 *
11/07	0800	EMB	TCLP Hg	< 0.0005		MG/L	7470		7470	SW-846	0.0016	0.0018 84.1 *
11/04	1128	EMB	TCLP Ba	2.9000		MG/L	7080		7080	SW-846	9.8000	9.7000 92.8 *

\* QA data shown is from a different sample or standard on the same date.

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Signature   
Environmental Services Co., Inc.

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Corporate Office

13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215  
 website: [www.esclabs.com](http://www.esclabs.com)



Environmental Services Company, Inc.

Northwest Branch

1107 Century  
 Springdale, AR 72764

Phone: 501-221-2565 Fax: 501-221-1341

### CHAIN OF CUSTODY

Phone 501-750-1170 Fax: 501-750-1172

Client Information				Project Information						Requested Parameters				
Company Name: Waste Mngt. Inc. Tontitown				Permit/Project #:						PH Volatiles metals TCLP pesticides, stem vol.				
Address: P.O. Box 1310				Purchase Order #:										
Springdale, AR 72765				Sampler Name(s): Sam Isaacks										
Telephone: 751 7024				and Signature(s):										
FAX: 751 7924														
ESC Client Number: 1123														
Sample Identification		Sample Collection				Sample Containers								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	PH	Volatiles	metals	TCLP pesticides, stem vol.	
S. Phase I	10-0208	10/15/99	1337	Grab	leachate	teflon	150ml	None	1	x				
				Grab	leachate	glass	40 ml	HCL	2		x			
				Grab	leachate	Plastic	1/2 gal	HNO3,pH<2	1			x		
				Grab	leachate	glass	1 qt	none	3				x	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:				
Sam Isaacks		10/15/99	1331							Used?	<input type="checkbox"/>	Intact?	<input type="checkbox"/>	
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:				
										Regular	<input checked="" type="checkbox"/>	Special	<input type="checkbox"/>	
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:				
				Mickey D. Barber				10-15-99	1335	Yes	<input checked="" type="checkbox"/>	No	<input type="checkbox"/>	
Comments:				FLOW DATA		Field Test	Time	Analyst	Result	Result	Units			
				Analyst:		pH:			6.88					
				Time:		Temp.:			23.2		°C	°F		
				Reading:		DO:								
				Units:		Debris:								
Cool all samples to 4 degrees C.						Chlorinated? Yes No			This Document is Page 1 of 1					



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 13715 West Markham  
 Little Rock, AR 72211  
 Tel. (501)221-2565 Fax (501)221-1341

Northwest Arkansas Branch  
 1107 Century Avenue  
 Springdale, AR 72762  
 Tel. (501)750-1170 Fax (501)750-1172

Control Number: 9912020209  
 Customer Name : WASTE MANAGEMENT-W. CLASS IV  
 Customer Number : 1310  
 Report Date : 01/06/00

Sample Date : 12/14/99  
 Sample Time : 1324  
 Sample Type : GRAB  
 Sample From : W. CLASS IV

Collected By: S. ISAACKS  
 Delivery By : S. ISAACKS  
 Work Order :  
 Purchase Order :

### Laboratory Analysis

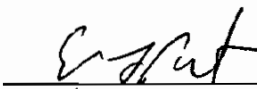
Analysis			Parameter	Result	Notes	Quantity	Method
12/15	1400	RHB	BOD, 5-day	101.0 mg/L			SM 18th 5210B
12/16	1200	BM	Chemical Oxygen Demand	447.00 mg/L			EPA 410.4
12/14	1324	SJI	pH	6.90 S.U.			EPA 150.1
12/27	1436	EMB	Chromium, Total	0.0560 mg/L			EPA 218.1
12/27	0956	EMB	Copper	< 0.0100 mg/L			EPA 220.1
12/27	0853	EMB	Lead	< 0.030 mg/L			EPA 239.1
12/28	1300	EMB	Mercury	< 0.0005 mg/L			EPA 245.1
12/27	0926	EMB	Nickel	< 0.020 mg/L			EPA 249.1
12/27	1040	EMB	Silver	< 0.010 mg/L			EPA 272.1
12/27	0853	EMB	Zinc	0.564 mg/L			EPA 289.1
12/27	1508	EMB	Barium	2.8450 mg/L			EPA 208.1
12/27	0853	EMB	Cadmium	< 0.005 mg/L			EPA 213.1

Quality Assurance	
Precision	Accuracy
% RPD	% Recovery
3.60	96.0 *
7.55	100.6 *
0.00	N/A *
3.77	106.0
0.49	90.9 *
4.70	78.8 *
4.44	97.9 *
1.05	95.3 *
0.66	90.3 *
0.00	80.4 *
0.00	68.9
1.37	87.8 *

\* QA data shown is from a different sample or standard on the same date.

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Signature



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1107 Century

Springdale, AR 72764

Phone: (501) 750-1170 Fax: 750-1172

1704 Shelby Oaks Dr. N.

Memphis, TN 38134

Phone: (901) 372-9132 Fax: 372-9334

Date Of Report: 01/05/00	Type Of Sample : GRAB	Control Number: 9911020218
Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN	Sample Collected From: W. CLASS IV	
Sample Date: 11/17/99	Sample Collected By : S. ISAACKS	Work Order No.:
Time Of Sample: 1425	Delivered To Lab By : S. ISAACKS	Purchase Order:

Analysis

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	Spike Recovery	
11/19	1323	FJT	Ignitability	Non-Ionitable	> 140				1010	SW-846			
11/22	1450	BLM	Corrosivity	Non-Corrosive	< 6.35	MM/YR			1110	SW-846			
12/01	1132	FJT	Reactivity	Non-Reactive					Part 261	40 CFR			
11/17	1425	SI	pH		7.7	S.U.			150.1	EPA	0.7	0.7	*
11/26	0800	EMB	TCLP As	<	0.0200	MG/L			7061	SW-846	0.0100	0.0100	96.4 *
11/24	1430	EMB	TCLP Se	<	0.0300	MG/L			7741	SW-846	0.0080	0.0090	89.3 *
11/29	1017	EMB	TCLP Ag	<	0.0100	MG/L			7760	SW-846	0.7600	0.7500	76.0
11/29	1227	EMB	TCLP Cr	<	0.0600	MG/L			7190	SW-846	1.0500	1.0400	104.0 *
11/29	0914	EMB	TCLP Pb	<	0.1000	MG/L			7420	SW-846	0.9000	0.9000	91.1
11/29	0914	EMB	TCLP Cd	<	0.0050	MG/L			7130	SW-846	0.9260	0.9060	91.6 *
11/30	1300	EMB	TCLP Hg	<	0.0005	MG/L			7470	SW-846	0.0021	0.0021	105.7
11/29	1413	EMB	TCLP Ba	<	1.3000	MG/L			7080	SW-846	0.9000	1.0000	94.5 *

\* QA data shown is from a different sample or standard on the same date.

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Signature \_\_\_\_\_

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 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: 501-221-2565 Fax: 501-221-1341

### CHAIN OF CUSTODY

Phone 501-750-1170 Fax: 501-750-1172

Client Information				Project Information						Requested Parameters									
Company Name: Waste Mngt. Inc. Tontitown				Permit/Project #:						pH	Semi-volatiles (TCLP)	Metals	TCLP, Pesticides, volatiles (hex)						
Address: P.O. Box 1310				Purchase Order #:															
Springdale, AR 72765				Sampler Name(s): Sam Isaacks															
Telephone: 751 7024				and Signature(s): <i>Sam Isaacks</i>															
FAX: 751 7924																			
ESC Client Number: 1123																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
W. CLASS IV	11-0210	11/17/99	1425	Grab	leachate	teflon	150ml	None	1	x									
		I	I	Grab	leachate	glass	40 ml	HCL	2		x								
		I	I	Grab	leachate	Plastic	1/2 gal	HNO3, pH<2	1			x							
		I	I	Grab	leachate	glass	1 qt	none	3				x						
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:									
Sam Isaacks <i>Sam Isaacks</i>		11/17/99	1452	<i>Kidney B. Roach</i>						Used? <input type="checkbox"/> Intact? <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:									
										Regular <input checked="" type="checkbox"/> Special <input type="checkbox"/>									
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:									
				<i>Kidney B. Roach</i>				11-17-99	1900	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>									
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units							
						Analyst:	pH:			7.66									
						Time:	Temp.:			18.8		°C	°F						
						Reading:	DO:												
						Units:	Debris:												
Cool all samples to 4 degrees C.						Chlorinated? Yes No				This Document is Page 1 of 1									

Environmental Services Co., Inc.

13715 West Markham  
 P.O. Box 5644  
 Little Rock, AR 72215  
 Springdale, AR 72764  
 1704 Shelby Oaks Dr. N.  
 Memphis, TN 38134  
 Phone: (501) 221-2565 Fax: 221-1341  
 Phone: (501) 750-1170 Fax: 750-1172  
 Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 01/19/00  
 Customer Name : WASTE MANAGEMENT, INC.-TONTIOWN  
 Sample Date: 10/15/99  
 Time Of Sample: 1154  
 Type Of Sample : GRAB  
 Sample Collected From: N. SITE IV  
 Sample Collected By : S. ISAACKS  
 Delivered To Lab By : S. ISAACKS  
 Control Number: 9910020213  
 WOH Order No.:  
 Purchase Order:

Analysis

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	or Ref.	Edition
10/15	1154	SI	Copper	7.7		S.U.	150.1		EPA		
01/18	1755	EMB	T Nickel	0.0100	<	MG/L	220.1		EPA		
01/13	0919	EMB	T Nickel	0.0600		MG/L	249.1		EPA		
01/13	1041	EMB	T Zinc	0.0920		MG/L	289.1		EPA		
11/05	0800	EMB	TCLP As	0.0070		MG/L	706.1		SW-846		
11/08	0800	EMB	TCLP Se	0.0020	<	MG/L	774.1		SW-846		
11/03	1416	EMB	TCLP Ag	0.0100	<	MG/L	7760		SW-846		
11/03	1732	EMB	TCLP Cr	0.0400		MG/L	7190		SW-846		
11/03	1206	EMB	TCLP Pb	0.1000	<	MG/L	7420		SW-846		
11/03	0939	EMB	TCLP Cd	0.0100	<	MG/L	7130		SW-846		
11/09	0800	EMB	TCLP Hg	0.0005	<	MG/L	7470		SW-846		
11/04	1128	EMB	TCLP Ba	0.5000		MG/L	7080		SW-846		

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature

Environmental Services Co., Inc.

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 Memphis, TN 38134

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Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764  
 Phone: 501-221-2565  
 Fax: 501-221-1341

### CHAIN OF CUSTODY

Client Information		Project Information				Requested Parameters			
Company Name: Waste Mngt. Inc. Tontitown		Permit/Project #:				pH			
Address: P.O. Box 1310 Springdale, AR 72765		Purchase Order #:				Volatile			
Telephone: 751 7024		Sampler Name(s): Sam Isaacks				Metals			
FAX: 751 7924		and Signature(s):				Zinc, cadmium, lead			
ESC Client Number: 1123		Sample Collection				Total			
Sample Identification		Sample Containers				pH			
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#
N. Site IV	10-0213	10/15/99	1154	Grab	leachate	leachate	150ml	None	1
				Grab	leachate	leachate	40 ml	HCL	2
				Grab	leachate	leachate	1/2 gal	HNO3, pH<2	1
				Grab	leachate	leachate	1 qt	none	3
Received By: (Signature and Printed Name)	Date	Custody Seals: <input type="checkbox"/> Used? <input type="checkbox"/> Intact?							
Received By: (Signature and Printed Name)	Date	Turnaround: <input type="checkbox"/> Regular <input checked="" type="checkbox"/> Special							
Received By: (Signature and Printed Name)	Date	Were samples properly preserved: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Received for Lab By: (Signature and Printed Name)	Date	Field Test							
Comments:		FLOW DATA		Analyst:		Time		Result	
Cool all samples to 4 degrees C.		pH:		Temp.:		DO:		Debris:	
Chlorinated? Yes No		Units:		Reading:		Time:		This Document is Page 7 of 7	

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 Springdale, AR 72764  
 Phone: (501) 750-1170 Fax: 750-1172  
 Phone: (901) 372-9330 Fax: 372-9334

Date of Report: 01/19/00  
 Customer Name: WASTE MANAGEMENT, INC.-TONTIOWN  
 Sample Date: 10/15/99  
 Type of Sample : GRAB  
 Sample Collected From: N. PHASE I  
 Sample Collected By : S. ISAACKS  
 Delivered To Lab By : S. ISAACKS  
 Control Number: 9910020207  
 Work Order No.:  
 Purchase Order:

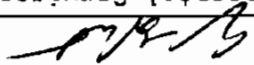
Analysis  
 Date Time By  
 01/15 1307 SI  
 pH 7.4  
 Concentration Notes  
 Units Quantity Units  
 Edition  
 Method or Ref.

Date Time By	Parameter	Concentration	Notes	Units	Quantity	Units	Method or Ref.	Edition
01/15 1307	EM8	0.0100	<	MG/L	220.1	EPA	150.1	
01/13 0919	EM8	0.0200	<	MG/L	249.1	EPA	249.1	
01/13 1041	EM8	0.0400	<	MG/L	289.1	EPA	289.1	
1/05 0800	EM8	0.0040		MG/L	7061	SW-846		
1/08 0800	EM8	0.0040		MG/L	7741	SW-846		
1/03 1416	EM8	0.0100	<	MG/L	7760	SW-846		
1/03 1732	EM8	0.0300	<	MG/L	7190	SW-846		
1/03 1206	EM8	0.1000	<	MG/L	7420	SW-846		
1/03 0939	EM8	0.0100	<	MG/L	7130	SW-846		
1/09 0800	EM8	0.0005	<	MG/L	7470	SW-846		
1/04 1128	EM8	1.1000		MG/L	7080	SW-846		

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% soaked and duplicate samples is run on each parameter where applicable for quality assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filled with ADPC&E.

Signature



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## CHAIN OF CUSTODY

Phone 501-750-1170 Fax: 501-750-1172

Client Information				Project Information						Requested Parameters				
Company Name: Waste Mngt. Inc. Tontitown				Permit/Project #:						VOLATILES Metals TCLP pesticides semi stable				
Address: P.O. Box 1310 Springdale, AR 72765				Purchase Order #:										
Telephone: 751 7024				Sampler Name(s): Sam Isaacks										
FAX: 751 7924				and Signature(s):										
ESC Client Number: 1123														
Sample Identification		Sample Collection				Sample Containers								
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#	pH				
N. Phase I	10-0207	10/15/99	1307	Grab	leachate	teflon	150ml	None	1	X				
		I	I	Grab	leachate	glass	40 ml	HCL	2	X				
				Grab	leachate	Plastic	1/2 gal	HNO3,pH<2	1		X			
				Grab	leachate	glass	1 qt	none	3			X		
Relinquished By: (Signature and Printed Name) Sam Isaacks		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:				
		10/15/99	1331							Used? <input type="checkbox"/>	Intact? <input type="checkbox"/>			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:				
										Regular <input checked="" type="checkbox"/>	Special <input type="checkbox"/>			
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	Were samples properly preserved:				
				Dixey L. Broken				10-15-99	1335	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>			
Comments:						FLOW DATA	Field Test	Time	Analyst	Result	Result	Units		
						Analyst:	pH:			7.35				
						Time:	Temp.:			26.3		°C	°F	
						Reading:	DO:							
						Units:	Debris:							
Cool all samples to 4 degrees C.									Chlorinated? Yes No			This Document is Page 1 of 1		





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## LABORATORY REPORT

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020209	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	Site III		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene	< 0.200	o-Cresol	< 0.050
Carbon Tetrachloride	< 0.200	m-Cresol	< 0.050
Chlorobenzene	< 0.200	p-Cresol	< 0.050
Chloroform	< 0.200	2,4-Dinitrotoluene	< 0.050
1,4-Dichlorobenzene	< 0.200	Hexachlorobenzene	< 0.050
1,2-Dichloroethane	< 0.200	Hexachlorobutadiene	< 0.050
1,1-Dichloroethene	< 0.200	Hexachloroethane	< 0.050
Methyl Ethyl Ketone	< 0.200	Nitrobenzene	< 0.050
Tetrachloroethene	< 0.200	Pentachlorophenol	< 0.050
Trichloroethene	< 0.200	Pyridine	< 0.050
Vinyl Chloride	< 0.200	2,4,5-Trichlorophenol	< 0.050
		2,4,6-Trichlorophenol	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	10-30-99	Analysis Date:	10-25-99
Analysis Time :	12:46	Analysis Time:	09:29
Analyst :	VLP	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	72.4	2-Fluorophenol	35.5
Toluene-d8	62.9	Phenol-d8	28.7
4-Bromofluorobenzene	66.5	Nitrobenzene-d8	67.8
		2-Fluorobiphenyl	82.4
		2,4,6-Tribromophenol	67.8
		Terphenyl-d14	87.9



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020209	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	Site III		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides	
gamma-BHC (Lindane)	< 0.005	2,4-D	< 0.050
Chlordane	< 0.005	2,4,5-TP (Silvex)	< 0.050
Endrin	< 0.005		
Heptachlor	< 0.005		
Heptachlor Epoxide	< 0.005		
Methoxychlor	< 0.005		
Toxaphene	< 0.010		

### QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	10-25-99	Analysis Date:	10-25-99
Analysis Time :	12:29	Analysis Time:	23:56
Analyst :	RHB	Analyst:	KESI
<b>Surrogates:</b>		Matrix Spike	80.0%
Tetrachlorometaxylene	78.5	(Duplicate)	90.0%
Decachlorobiphenyl	82.3	RPD	11.8%

## LABORATORY REPORT (continued)



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Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020209	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	Site III		

## ANALYTICAL RESULTS

Ignitability:	Non-Ignitable
Corrosivity:	Non-Corrosive
Reactivity:	Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-01-99	10-19-99	10-22-99
Analysis Time:	1500	1300	1710
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By:

Vernon L. Pate



# Environmental Services Company, Inc.

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## LABORATORY REPORT

Client:	Waste Management Inc. - Tonitown	Sample Date:	11-17-99
Control Number:	9911020217/9912020208	Receipt Date:	11-17-99
Sample Type:	Grab - Liquid Leachate	Report Date:	01-04-99
Sample Location:	Site IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene	< 0.200	o-Cresol	< 0.050
Carbon Tetrachloride	< 0.200	m-Cresol	< 0.050
Chlorobenzene	< 0.200	p-Cresol	< 0.050
Chloroform	< 0.200	2,4-Dinitrotoluene	< 0.050
1,4-Dichlorobenzene	< 0.200	Hexachlorobenzene	< 0.050
1,2-Dichlorethane	< 0.200	Hexachlorobutadiene	< 0.050
1,1-Dichloroethene	< 0.200	Hexachloroethane	< 0.050
Methyl Ethyl Ketone	< 0.200	Nitrobenzene	< 0.050
Tetrachloroethene	< 0.200	Pentachlorophenol	< 0.050
Trichloroethene	< 0.200	Pyridine	< 0.050
Vinyl Chloride	< 0.200	2,4,5-Trichlorophenol	< 0.050
		2,4,6-Trichlorophenol	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	11-19-99	Analysis Date:	12-10-99
Analysis Time :	12:44	Analysis Time:	18:14
Analyst :	RHB	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	108.7	2-Fluorophenol	93.8
Toluene-d8	104.9	Phenol-d8	88.6
4-Bromofluorobenzene	101.9	Nitrobenzene-d8	80.5
		2-Fluorobiphenyl	103.5
		2,4,6-Tribromophenol	81.2
		Terphenyl-d14	80.3



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	11-17-99
Control Number:	9911020217/9912020208	Receipt Date:	11-17-99
Sample Type:	Grab – Liquid Leachate	Report Date:	01-04-99
Sample Location:	Site IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides**	
gamma-BHC (Lindane)	< 0.005	2,4-D	< 0.020
Chlordane	< 0.005	2,4,5-TP (Silvex)	< 0.020
Endrin	< 0.005		
Heptachlor	< 0.005	**Sampled 12-14-99	
Heptachlor Epoxide	< 0.005	Ctl#: 9912020208	
Methoxychlor	< 0.005		
Toxaphene	< 0.010		

### QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	12-10-99	Analysis Date:	01-03-99
Analysis Time :	08:34	Analysis Time:	01:42
Analyst :	RHB	Analyst:	KESII
Surrogates:		Matrix Spike	112.0%
Tetrachlorometa xylene	87.5%	RPD	4.8%
Decachlorobiphenyl	82.5%		

## LABORATORY REPORT (continued)



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Client: \_\_\_\_\_ Sample Date: \_\_\_\_\_  
Control Number: \_\_\_\_\_ Receipt Date: \_\_\_\_\_  
Sample Type: Grab – Solid Report Date: \_\_\_\_\_  
Sample Location: \_\_\_\_\_

## ANALYTICAL RESULTS

Ignitability: Non-Ignitable  
Corrosivity: Non-Corrosive  
Reactivity: Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-19-99	11-22-99	12-01-99
Analysis Time:	13:23	14:50	11:32
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By: \_\_\_\_\_

Vernon L. Pate



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## LABORATORY REPORT

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020211	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	Class IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene	< 0.200	o-Cresol	< 0.050
Carbon Tetrachloride	< 0.200	m-Cresol	< 0.050
Chlorobenzene	< 0.200	p-Cresol	< 0.050
Chloroform	< 0.200	2,4-Dinitrotoluene	< 0.050
1,4-Dichlorobenzene	< 0.200	Hexachlorobenzene	< 0.050
1,2-Dichloroethane	< 0.200	Hexachlorobutadiene	< 0.050
1,1-Dichloroethene	< 0.200	Hexachloroethane	< 0.050
Methyl Ethyl Ketone	< 0.200	Nitrobenzene	< 0.050
Tetrachloroethene	< 0.200	Pentachlorophenol	< 0.050
Trichloroethene	< 0.200	Pyridine	< 0.050
Vinyl Chloride	< 0.200	2,4,5-Trichlorophenol	< 0.050
		2,4,6-Trichlorophenol	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	10-30-99	Analysis Date:	10-25-99
Analysis Time :	12:46	Analysis Time:	09:29
Analyst :	VLP	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	69.4	2-Fluorophenol	35.5
Toluene-d8	88.6	Phenol-ds	28.7
4-Bromofluorobenzene	107.1	Nitrobenzene-ds	67.8
		2-Fluorobiphenyl	82.4
		2,4,6-Tribromophenol	67.8
		Terphenyl-d14	87.9



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020211	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	Class IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides	
gamma-BHC (Lindane)	< 0.005	2,4-D	< 0.050
Chlordane	< 0.005	2,4,5-TP (Silvex)	< 0.050
Endrin	< 0.005		
Heptachlor	< 0.005		
Heptachlor Epoxide	< 0.005		
Methoxychlor	< 0.005		
Toxaphene	< 0.010		

### QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	10-25-99	Analysis Date:	10-25-99
Analysis Time :	12:29	Analysis Time:	23:56
Analyst :	RHB	Analyst:	KESI
<b>Surrogates:</b>		Matrix Spike	80.0%
Tetrachlorometaxylene	78.5	(Duplicate)	90.0%
Decachlorobiphenyl	82.3	RPD	11.8%

## LABORATORY REPORT (continued)





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E-MAIL: nwbranch@esclabs.com

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020211	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	Class IV		

## ANALYTICAL RESULTS

Ignitability:	Non-Ignitable
Corrosivity:	Non-Corrosive
Reactivity:	Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-01-99	10-19-99	10-22-99
Analysis Time:	1500	1300	1710
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By:

Vernon L. Pate



# Environmental Services Company, Inc.

CORPORATE OFFICE:  
 13715 W. MARKHAM - P.O. BOX 55146  
 LITTLE ROCK, ARKANSAS 72215  
 (501) 221-2565 - FAX NO. (501) 221-1341  
 E-MAIL: corporate@esclabs.com

NORTHWEST BRANCH:  
 1107 CENTURY  
 SPRINGDALE, ARKANSAS 72762  
 (501) 750-1170 - FAX NO. (501) 750-1172  
 E-MAIL: nwbranch@esclabs.com

## LABORATORY REPORT

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020208	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	South Phase I		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene ✓	< 0.200	o-Cresol ✓	< 0.050
Carbon Tetrachloride ✓	< 0.200	m-Cresol ✓	< 0.050
Chlorobenzene ✓	< 0.200	p-Cresol ✓	< 0.050
Chloroform ✓	< 0.200	2,4-Dinitrotoluene ✓	< 0.050
1,4-Dichlorobenzene ✓	< 0.200	Hexachlorobenzene ✓	< 0.050
1,2-Dichlorethane ✓	< 0.200	Hexachlorobutadiene ✓	< 0.050
1,1-Dichloroethene ✓	< 0.200	Hexachloroethane ✓	< 0.050
Methyl Ethyl Ketone –	< 0.200	Nitrobenzene –	< 0.050
Tetrachloroethene ✓	< 0.200	Pentachlorophenol –	< 0.050
Trichloroethene ✓	< 0.200	Pyridine –	< 0.050
Vinyl Chloride ✓	< 0.200	2,4,5-Trichlorophenol –	< 0.050
		2,4,6-Trichlorophenol –	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	10-30-99	Analysis Date:	10-25-99
Analysis Time :	12:46	Analysis Time:	09:29
Analyst :	VLP	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	73.9	2-Fluorophenol	35.5
Toluene-d8	62.8	Phenol-d8	28.7
4-Bromofluorobenzene	64.5	Nitrobenzene-d8	67.8
		2-Fluorobiphenyl	82.4
		2,4,6-Tribromophenol	67.8
		Terphenyl-d14	87.9



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020209	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	South Phase I		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides	
gamma-BHC (Lindane) ✓	< 0.005	2,4-D ✓	< 0.050
Chlordane ✓	< 0.005	2,4,5-TP (Silvex) ~	< 0.050
Endrin ✓	< 0.005		
Heptachlor ✓	< 0.005		
Heptachlor Epoxide	< 0.005		
Methoxychlor ✓	< 0.005		
Toxaphene ✓	< 0.010		

### QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	10-25-99	Analysis Date:	10-25-99
Analysis Time :	12:29	Analysis Time:	23:56
Analyst :	RHB	Analyst:	KESI
<b>Surrogates:</b>		Matrix Spike	80.0%
Tetrachlorometaxylene	78.5	(Duplicate)	90.0%
Decachlorobiphenyl	82.3	RPD	11.8%



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020209	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	South Phase I		

## ANALYTICAL RESULTS

Ignitability:	Non-Ignitable
Corrosivity:	Non-Corrosive
Reactivity:	Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-01-99	10-19-99	10-22-99
Analysis Time:	1500	1300	1710
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By:

Vernon L. Pate



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## LABORATORY REPORT

Client:	Waste Management Inc. - Tonitown	Sample Date:	11-17-99
Control Number:	9911020218/9912020209	Receipt Date:	11-17-99
Sample Type:	Grab - Liquid Leachate	Report Date:	01-04-99
Sample Location:	West Class IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene	< 0.200	o-Cresol	< 0.050
Carbon Tetrachloride	< 0.200	m-Cresol	< 0.050
Chlorobenzene	< 0.200	p-Cresol	< 0.050
Chloroform	< 0.200	2,4-Dinitrotoluene	< 0.050
1,4-Dichlorobenzene	< 0.200	Hexachlorobenzene	< 0.050
1,2-Dichlorethane	< 0.200	Hexachlorobutadiene	< 0.050
1,1-Dichloroethene	< 0.200	Hexachloroethane	< 0.050
Methyl Ethyl Ketone	< 0.200	Nitrobenzene	< 0.050
Tetrachloroethene	< 0.200	Pentachlorophenol	< 0.050
Trichloroethene	< 0.200	Pyridine	< 0.050
Vinyl Chloride	< 0.200	2,4,5-Trichlorophenol	< 0.050
		2,4,6-Trichlorophenol	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	11-19-99	Analysis Date:	12-10-99
Analysis Time :	12:44	Analysis Time:	18:14
Analyst :	RHB	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	105.5	2-Fluorophenol	73.5
Toluene-d8	103.4	Phenol-d5	70.0
4-Bromofluorobenzene	105.2	Nitrobenzene-d5	63.7
		2-Fluorobiphenyl	79.8
		2,4,6-Tribromophenol	70.0
		Terphenyl-d14	67.1



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	11-17-99
Control Number:	9911020218/9912020209	Receipt Date:	11-17-99
Sample Type:	Grab – Liquid Leachate	Report Date:	01-04-99
Sample Location:	West Class IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides**	
gamma-BHC (Lindane)	< 0.005	2,4-D	< 0.020
Chlordane	< 0.005	2,4,5-TP (Silvex)	< 0.020
Endrin	< 0.005		
Heptachlor	< 0.005	**Sampled 12-14-99	
Heptachlor Epoxide	< 0.005	Ctl#: 9912020209	
Methoxychlor	< 0.005		
Toxaphene	< 0.010		

### QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	12-10-99	Analysis Date:	01-03-99
Analysis Time :	08:34	Analysis Time:	01:42
Analyst :	RHB	Analyst:	KESII
Surrogates:		Matrix Spike	112.0%
Tetrachlorometa xylene	87.5%	RPD	4.8%
Decachlorobiphenyl	82.5%		

## LABORATORY REPORT (continued)



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Client: \_\_\_\_\_ Sample Date: \_\_\_\_\_  
Control Number: \_\_\_\_\_ Receipt Date: \_\_\_\_\_  
Sample Type: Grab – Solid Report Date: \_\_\_\_\_  
Sample Location: \_\_\_\_\_

## ANALYTICAL RESULTS

Ignitability: Non-Ignitable  
Corrosivity: Non-Corrosive  
Reactivity: Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-19-99	11-22-99	12-01-99
Analysis Time:	13:23	14:50	11:32
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By: \_\_\_\_\_

  
Vernon L. Pate



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## LABORATORY REPORT

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020213	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	North Site IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene	< 0.200	o-Cresol	< 0.050
Carbon Tetrachloride	< 0.200	m-Cresol	< 0.050
Chlorobenzene	< 0.200	p-Cresol	< 0.050
Chloroform	< 0.200	2,4-Dinitrotoluene	< 0.050
1,4-Dichlorobenzene	< 0.200	Hexachlorobenzene	< 0.050
1,2-Dichloroethane	< 0.200	Hexachlorobutadiene	< 0.050
1,1-Dichloroethene	< 0.200	Hexachloroethane	< 0.050
Methyl Ethyl Ketone	< 0.200	Nitrobenzene	< 0.050
Tetrachloroethene	< 0.200	Pentachlorophenol	< 0.050
Trichloroethene	< 0.200	Pyridine	< 0.050
Vinyl Chloride	< 0.200	2,4,5-Trichlorophenol	< 0.050
		2,4,6-Trichlorophenol	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	10-30-99	Analysis Date:	10-25-99
Analysis Time :	12:46	Analysis Time:	09:29
Analyst :	VLP	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	72.0	2-Fluorophenol	35.5
Toluene-d8	62.6	Phenol-d8	28.7
4-Bromofluorobenzene	65.9	Nitrobenzene-d8	67.8
		2-Fluorobiphenyl	82.4
		2,4,6-Tribromophenol	67.8
		Terphenyl-d14	87.9





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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020213	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	North Site IV		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides	
gamma-BHC (Lindane)	< 0.005	2,4-D	< 0.050
Chlordane	< 0.005	2,4,5-TP (Silvex)	< 0.050
Endrin	< 0.005		
Heptachlor	< 0.005		
Heptachlor Epoxide	< 0.005		
Methoxychlor	< 0.005		
Toxaphene	< 0.010		

### QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	10-25-99	Analysis Date:	10-25-99
Analysis Time :	12:29	Analysis Time:	23:56
Analyst :	RHB	Analyst:	KESII
<b>Surrogates:</b>		Matrix Spike	80.0%
Tetrachlorometaxylene	78.5	(Duplicate)	90.0%
Decachlorobiphenyl	82.3	RPD	11.8%

## LABORATORY REPORT (continued)



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Client: Waste Management – Tonitown      Sample Date: 10-15-99  
Control Number: 9910020213              Receipt Date: 10-15-99  
Sample Type: Grab – Liquid / Leachate      Report Date: 11-08-99  
Sample Location: North Site IV

## ANALYTICAL RESULTS

Ignitability: Non-Ignitable  
Corrosivity: Non-Corrosive  
Reactivity: Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-01-99	10-19-99	10-22-99
Analysis Time:	1500	1300	1710
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By:

Vernon L. Pate



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## LABORATORY REPORT

Client:	Waste Management -- Tonitown	Sample Date:	10-15-99
Control Number:	9910020207	Receipt Date:	10-15-99
Sample Type:	Grab -- Liquid / Leachate	Report Date:	11-08-99
Sample Location:	North Phase I		

### ANALYTICAL RESULTS (mg/L or ppm)

TCLP Volatiles		TCLP Semi-Volatiles	
Benzene	< 0.200	o-Cresol	< 0.050
Carbon Tetrachloride	< 0.200	m-Cresol	< 0.050
Chlorobenzene	< 0.200	p-Cresol	< 0.050
Chloroform	< 0.200	2,4-Dinitrotoluene	< 0.050
1,4-Dichlorobenzene	< 0.200	Hexachlorobenzene	< 0.050
1,2-Dichloroethane	< 0.200	Hexachlorobutadiene	< 0.050
1,1-Dichloroethene	< 0.200	Hexachloroethane	< 0.050
Methyl Ethyl Ketone	< 0.200	Nitrobenzene	< 0.050
Tetrachloroethene	< 0.200	Pentachlorophenol	< 0.050
Trichloroethene	< 0.200	Pyridine	< 0.050
Vinyl Chloride	< 0.200	2,4,5-Trichlorophenol	< 0.050
		2,4,6-Trichlorophenol	< 0.050

### QUALITY ASSURANCE DATA

TCLP Volatiles		TCLP Semi-Volatiles	
Method:	USEPA SW-846 Method 8260	Method:	USEPA Method 8270
Analysis Date:	10-30-99	Analysis Date:	10-25-99
Analysis Time :	12:46	Analysis Time:	09:29
Analyst :	VLP	Analyst:	RHB
<u>System Monitoring Compounds</u>	<u>% Recovery</u>	<u>System Monitoring Compounds</u>	<u>% Recovery</u>
Dibromofluoromethane	73.9	2-Fluorophenol	35.5
Toluene-d8	62.8	Phenol-d5	28.7
4-Bromofluorobenzene	64.5	Nitrobenzene-d5	67.8
		2-Fluorobiphenyl	82.4
		2,4,6-Tribromophenol	67.8
		Terphenyl-d14	87.9



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020207	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	North Phase I		

## ANALYTICAL RESULTS (mg/L or ppm)

TCLP Pesticides		TCLP Herbicides	
gamma-BHC (Lindane)	< 0.005	2,4-D	< 0.050
Chlordane	< 0.005	2,4,5-TP (Silvex)	< 0.050
Endrin	< 0.005		
Heptachlor	< 0.005		
Heptachlor Epoxide	< 0.005		
Methoxychlor	< 0.005		
Toxaphene	< 0.010		

## QUALITY ASSURANCE DATA

TCLP Pesticides		TCLP Herbicides	
Method:	USEPA SW-846 Method 8080	Method:	USEPA Method 8270
Analysis Date:	10-25-99	Analysis Date:	10-25-99
Analysis Time :	12:29	Analysis Time:	23:56
Analyst :	RHB	Analyst:	KESI
Surrogates:		Matrix Spike	80.0%
Tetrachlorometaxylene	78.5	(Duplicate)	90.0%
Decachlorobiphenyl	82.3	RPD	11.8%



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## LABORATORY REPORT (continued)

Client:	Waste Management – Tonitown	Sample Date:	10-15-99
Control Number:	9910020207	Receipt Date:	10-15-99
Sample Type:	Grab – Liquid / Leachate	Report Date:	11-08-99
Sample Location:	North Phase I		

## ANALYTICAL RESULTS

Ignitability:	Non-Ignitable
Corrosivity:	Non-Corrosive
Reactivity:	Non-Reactive

## QUALITY ASSURANCE DATA

	Ignitability	Corrosivity	Reactivity
Method:	1010	1500	Part 261
Analysis Date:	11-01-99	10-19-99	10-22-99
Analysis Time:	1500	1300	1710
Analyst:	FJT	BLM	FJT

A lab blank was monitored for all analytes of interest.

Data Release Authorized By:

Vernon L. Pate



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October 13, 1999

Ms. Denise Georgiou  
Operations Pretreatment Coordinator  
1500 N. Fox Hunter  
Fayetteville, AR 72701

**SUBJECT:** Permit # **FAY11** Sunray Services, Inc., P.O. Box 1310, Springdale, Ar. 72765-1310  
**Locations:** 001, 002, 003, 005, 006 and 007 at 18200 Stutts Road, Tontitown, Ar.

Dear Ms. Georgiou:


Please find the self-monitoring data for the third quarter (July thru September) of 1999.  
Please let us know if you have any questions regarding any portion of this report.

I certify under penalty of law that this document and all attachments under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

No violations of the permit limitations were found during the Third Quarter of 1999

Sincerely, Authorized Representative

  
\_\_\_\_\_  
Vernon L. Pate,  
Branch Manager  
Environmental Services Co., Inc.

  
\_\_\_\_\_  
Ron Hunt  
Landfill Manager  
Waste Management, Inc.



# Environmental Services Company, Inc.

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## Waste Management, Inc., Tontitown, AR

### Leachate Report for : City of Fayetteville, AR

Sample ID:	SUN001	SUN001	SUN001	SUN001	SUN001	SUN001	SUN001	SUN001
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.004600	0.004600	0.004600	0.004600	0.004600	0.004600	0.004600	0.004600
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.02	0.01	0.05
Mass (lb/day):	0.000	0.001	0.001	0.002	0.000	0.001	0.000	0.002

Sample ID:	SUN002	SUN002	SUN002	SUN002	SUN002	SUN002	SUN002	SUN002
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000	0.002000
Concentration (mg/l):	0.01	0.03	0.093	0.05	0.0016	0.13	0.01	1.22
Mass (lb/day):	0.000	0.001	0.002	0.001	0.000	0.002	0.000	0.020

Sample ID:	SUN003	SUN003	SUN003	SUN003	SUN003	SUN003	SUN003	SUN003
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.079600	0.079600	0.079600	0.079600	0.079600	0.079600	0.079600	0.079600
Concentration (mg/l):	0.011	0.03	0.03	0.05	0.001	0.02	0.01	0.139
Mass (lb/day):	0.007	0.020	0.020	0.033	0.001	0.013	0.007	0.092

Sample ID:	SUN005	SUN005	SUN005	SUN005	SUN005	SUN005	SUN005	SUN005
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.030750	0.030750	0.030750	0.030750	0.030750	0.030750	0.030750	0.030750
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.08	0.01	0.265
Mass (lb/day):	0.003	0.008	0.008	0.013	0.000	0.021	0.003	0.068

Sample ID:	SUN006	SUN006	SUN006	SUN006	SUN006	SUN006	SUN006	SUN006
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.023000	0.023000	0.023000	0.023000	0.023000	0.023000	0.023000	0.023000
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.02	0.01	0.29
Mass (lb/day):	0.002	0.006	0.006	0.010	0.000	0.004	0.002	0.056



# Environmental Services Company, Inc.

CORPORATE OFFICE:  
 13715 W. MARKHAM - P.O. BOX 55146  
 LITTLE ROCK, ARKANSAS 72215  
 (501) 221-2565 - FAX NO. (501) 221-1144  
 E-MAIL: corporate@esclabs.com

NORTHWEST BRANCH:  
 1107 CENTURY  
 SPRINGDALE, ARKANSAS 72762  
 (501) 750-1170 - FAX NO. (501) 750-1172  
 E-MAIL: nwbranch@esclabs.com

## Waste Management, Inc., Tontitown, AR

### Leachate Report for : City of Fayetteville, AR

Sample ID:	SUN007	SUN007	SUN007	SUN007	SUN007	SUN007	SUN007	SUN007
Date:	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99	7/16/99
Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Flow Meter Start:								
Flow Meter End:								
Flow (million gallons):	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
Concentration (mg/l):	0.01	0.03	0.03	0.05	0.001	0.04	0.01	0.114
Mass (lb/day):	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000

Parameter:	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc
Max mg/l from above data:	0.0110	0.0300	0.0930	0.0500	0.0016	0.1300	0.0100	1.2200
Permit limits (lb/day):	0.003	0.048	0.136	0.041		0.074		0.887
Max gallons/day (in million gallons) within permit limits based on each of the above parameters:	0.0327011	0.1918465	0.1753436	0.0983213		0.0682531		0.0871762

Max gallons/day (in million gallons) within permit limits based on all the above data:	0.0327011 million gallons/day
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**Environmental Services Co., Inc.**

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Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

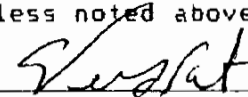
Date Of Report: 08/09/99	Type Of Sample : GRAB	Control Number: 9907020168
Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN	Sample Collected From: S. PHASE I	Work Order No.:
Sample Date: 07/16/99	Sample Collected By : S. ISAACKS	Purchase Order:
Time Of Sample: 1420	Delivered To Lab By : S. ISAACKS	

Analysis										Quality Assurance			
Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Duplicates	Recovery	% Spike
08/05	0900	EMB	T Arsenic	0.0080		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium <	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.8 *
07/16	1420	SI	pH	6.45		S.U.			150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium <	0.0300		MG/L			218.1	EPA	1.0250	1.0500	103.3 *
08/02	1022	EMB	T Copper <	0.0300		MG/L			220.1	EPA	2.5750	2.5250	88.0 *
08/04	0812	EMB	T Lead <	0.0500		MG/L			239.1	EPA	0.9770	1.0100	99.4 *
08/06	0800	EMB	T Mercury <	0.0010		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.0800		MG/L			249.1	EPA	1.1800	1.1800	100.3 *
07/30	1705	EMB	T Silver <	0.0100		MG/L			272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc	0.2650		MG/L			289.1	EPA	1.5800	1.5850	93.1 *
08/02	1022	EMB	T Cadmium <	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature \_\_\_\_\_



Environmental Services Co., Inc.

Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2585 FAX: (501) 221-1341

### CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information				Project Information					Requested Parameters										
Company Name: Sunray Services, Inc.				Permit/Project #:					Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: P. O. Box 1310 Springdale, AR 72765				Purchase Order #:															
Telephone: 751-7024				Sampler Name(s): Sam J. SARKIS															
FAX: 751-7924				and Signature(s): <i>[Signature]</i>															
ESC Client Number: 1123																			
Sample Identification		Sample Collection				Sample Containers													
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#										
So Phase - I	9-0168	7/16/99	1470	Grab	Leachate	Plastic	1/2 gal	Nitric	1	X	X								
		I	J					None	1			X							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:											
<i>[Signature]</i>		7/16/99	1519	<i>[Signature]</i>				Used?	<input type="checkbox"/>	Inject?	<input type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:											
								Regular	<input type="checkbox"/>	Special	<input checked="" type="checkbox"/>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	This Document Is Page 1 of											
				<i>[Signature]</i>		7-16-99	1520												
Comments: Special reporting format to be used pH 6.45 31.7°C																			

**Environmental Services Co., Inc.**

13715 West Markham  
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1704 Shelby Oaks Dr. N.  
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Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 08/09/99

Type Of Sample : GRAB

Control Number: 9907020169

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: SITE III

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Time of Sample: 1430

Delivered To Lab By : S. ISAACKS

Purchase Order:

Analysis

Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	% Spike Recovery	
08/05	0900	EMB	T Arsenic	0.0010		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium	0.0020	<	MG/L			270.2	EPA	0.0130	0.0120	125.8 *
07/16	1430	SI	pH	6.36		S.U.			150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium	0.0300	<	MG/L			218.1	EPA	1.0250	1.0500	103.3 *
08/02	1022	EMB	T Copper	0.0300	<	MG/L			220.1	EPA	2.5750	2.5250	88.0 *
08/04	0812	EMB	T Lead	0.0500	<	MG/L			239.1	EPA	0.9770	1.0100	99.4 *
08/06	0800	EMB	T Mercury	0.0010	<	MG/L			245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.0200	<	MG/L			249.1	EPA	1.1800	1.1800	100.3 *
07/30	1705	EMB	T Silver	0.0100	<	MG/L			272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc	0.0500	<	MG/L			289.1	EPA	1.5800	1.5850	93.1 *
08/02	1022	EMB	T Cadmium	0.0100	<	MG/L			213.1	EPA	1.0030	1.0040	100.4

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 20 spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference use : Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature *Ken Holt*  
Environmental Services Co., Inc.



**Environmental Services Co., Inc.**

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Springdale, AR 72764

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Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 08/09/99

Type Of Sample : GRAB

Control Number: 9907020170

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: SITE IV

Work Order No.:

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Purchase Order:

Time Of Sample: 1451

Delivered To Lab By : S. ISAACKS

Analysis

Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	Recovery	% Spike
08/05	0900	EMB	T Arsenic	0.0100		MG/L	206.2		206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium	0.0020		MG/L	270.2		270.2	EPA	0.0130	0.0120	125.8 *
07/16	1451	SI	pH	7.20		S.U.	150.1		150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium	0.0300		MG/L	218.1		218.1	EPA	1.1870	1.0280	100.3
08/02	1022	EMB	T Copper	0.0930		MG/L	220.1		220.1	EPA	2.5750	2.5250	88.0
08/04	0812	EMB	T Lead	0.0500		MG/L	239.1		239.1	EPA	0.9770	1.0100	99.4
08/06	0800	EMB	T Mercury	0.0016		MG/L	245.1		245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.1300		MG/L	249.1		249.1	EPA	1.1800	1.1800	100.3
07/30	1705	EMB	T Silver	0.0100		MG/L	272.1		272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc	1.2200		MG/L	289.1		289.1	EPA	1.5800	1.5850	93.1
08/02	1022	EMB	T Cadmium	0.0100		MG/L	213.1		213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature *[Signature]*  
Environmental Services Co., Inc.



**Environmental Services Co., Inc.**

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Phone: (501) 221-2565 Fax: 221-1341

1107 Century

Springdale, AR 72764

Phone: (501) 750-1170 Fax: 750-1172

1704 Shelby Oaks Dr. N.

Memphis, TN 38134

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 08/09/99

Type Of Sample : GRAB

Control Number: 9907020171

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: CLASS IV

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Time Of Sample: 1412

Delivered To Lab By : S. ISAACKS

Purchase Order:

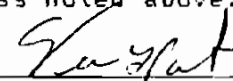
Analysis

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	Recovery	% Spike
08/05	0900	EMB	T Arsenic	0.0010		MG/L	206.2		206.2	EPA	0.0060	0.0080	73.2
08/05	1300	EMB	T Selenium	0.0020		MG/L	270.2		270.2	EPA	0.0130	0.0120	125.8 *
07/16	1412	SI	pH	7.41		S.U.	150.1		150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium	0.0300		MG/L	218.1		218.1	EPA	1.1870	1.0280	100.3 *
08/02	1022	EMB	T Copper	0.0300		MG/L	220.1		220.1	EPA	2.5750	2.5250	88.0 *
08/04	0812	EMB	T Lead	0.0500		MG/L	239.1		239.1	EPA	0.9770	1.0100	99.4 *
08/06	0800	EMB	T Mercury	0.0010		MG/L	245.1		245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.0200		MG/L	249.1		249.1	EPA	1.1800	1.1800	100.3 *
07/30	1705	EMB	T Silver	0.0100		MG/L	272.1		272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc	0.1390		MG/L	289.1		289.1	EPA	1.5800	1.5850	93.1 *
08/02	1022	EMB	T Cadmium	0.0110		MG/L	213.1		213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

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Signature \_\_\_\_\_



Environmental Services Co., Inc.



Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215

Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2565 FAX: (501) 221-1341

## CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information		Project Information						Requested Parameters										
Company Name: Sunray Services, Inc.		Permit/Project #:						Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: P. O. Box 1310 Springdale, AR 72765		Purchase Order #:																
Telephone: 751-7024		Sampler Name(s): <i>SAM J. SARKIS</i>																
FAX: 751-7924		and Signature(s): <i>[Signature]</i>																
ESC Client Number: 1123																		
Sample Identification		Sample Collection				Sample Containers												
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#									
<i>CLASS IV</i>	<i>70171</i>	<i>7/16/99</i>	<i>1412</i>	<i>Grab</i>	<i>Leachate</i>	<i>Plastic</i>	<i>1/2 gal</i>	<i>Nitric</i>	<i>1</i>	<i>X</i>	<i>X</i>							
								<i>None</i>	<i>1</i>			<i>X</i>						
Relinquished By: (Signature and Printed Name) <i>SAM J. SARKIS [Signature]</i>		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Used?	<input type="checkbox"/>	Intact?	<input type="checkbox"/>							
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name) <i>[Signature]</i>		Date	Time	Turnaround:	Regular	<input type="checkbox"/>	Special	<input checked="" type="checkbox"/>						
Comments:						Date	Time	This Document Is Page <u>1</u> of <u>  </u>										
Special reporting format to be used		<i>pH 7.41 22.1°C</i>																



**Environmental Services Co., Inc.**

13715 West Markham  
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Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 08/09/99

Type Of Sample : GRAB

Control Number: 9907020172

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: W. CLASS IV

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Date Of Sample: 1433

Delivered To Lab By : S. ISAACKS

Purchase Order:

**Analysis**

Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
										Duplicates	Recovery	% Spike
05 0900	EMB	T Arsenic	0.1620		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
05 1300	EMB	T Selenium	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.8 *
16 1433	SI	pH	6.84		S.U.			150.1	EPA	7.16	7.17	*
03 0920	EMB	T Chromium	0.0300		MG/L			218.1	EPA	1.1870	1.0280	100.3 *
02 1022	EMB	T Copper	0.0300		MG/L			220.1	EPA	2.5750	2.5250	88.0 *
04 0812	EMB	T Lead	0.0500		MG/L			239.1	EPA	0.9770	1.0100	99.4 *
06 0800	EMB	T Mercury	0.0010		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
02 1231	EMB	T Nickel	0.0200		MG/L			249.1	EPA	1.1800	1.1800	100.3 *
30 1705	EMB	T Silver	0.0100		MG/L			272.1	EPA	0.8460	0.8400	84.3 *
02 1022	EMB	T Zinc	0.2900		MG/L			289.1	EPA	1.5800	1.5850	93.1 *
02 1022	EMB	T Cadmium	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4 *

QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature *[Handwritten Signature]*  
Environmental Services Co., Inc.

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 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2565 FAX: (501) 221-1341

### CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information		Project Information				Requested Parameters									
Company Name: Sunray Services, Inc.		Permit/Project #:				Ct Cd Cu Pb Hg Ni Ag Zn As Se pH									
Address: P. O. Box 1310 Springdale, AR 72765		Purchase Order #:													
Telephone: 751-7024		Sampler Name(s): <i>SAM I SACKS</i>													
FAX: 751-7924		and Signature(s): <i>[Signature]</i>													
ESC Client Number: 1123		Sample Identification		Sample Collection		Sample Containers									
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#						
WEST CLASS IV	9-0192	7/16/99	1433	Grab	Leachate	Plastic	1/2 gal	Nitric	1	X	X				
								None	1			X			
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seals:							
<i>[Signature]</i>		7/16/99	1519	<i>[Signature]</i>				Used? <input type="checkbox"/> Inject? <input type="checkbox"/>							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:							
								Regular <input type="checkbox"/> Special <input checked="" type="checkbox"/>							
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)		Date	Time	This Document is Page 1 of							
				<i>[Signature]</i>		7-16-99	1520	1							
Comments: Special reporting format to be used															

*pH 6.84 55.12*

**Environmental Services Co., Inc.**

10715 West Markham  
P.O. Box 5644  
Little Rock, AR 72215

1107 Century  
Springdale, AR 72764

1704 Shelby Oaks Dr. N.  
Memphis, TN 38134

Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 08/09/99

Type Of Sample : GRAB

Control Number: 9907020173

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: N. SITE IV

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Time Of Sample: 1400

Delivered To Lab By : S. ISAACKS

Purchase Order:

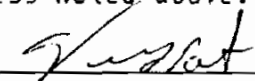
Analysis

Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates		% Spike Recovery
3/05	0900	EMB	T Arsenic	0.0040		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
3/05	1300	EMB	T Selenium	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.8 *
7/16	1400	SI	pH	7.53		S.U.			150.1	EPA	7.16	7.17	*
8/03	0920	EMB	T Chromium	0.0300		MG/L			218.1	EPA	1.1870	1.0280	100.3 *
8/02	1022	EMB	T Copper	0.0300		MG/L			220.1	EPA	2.5750	2.5250	88.0 *
8/04	0812	EMB	T Lead	0.0500		MG/L			239.1	EPA	0.9770	1.0100	99.4 *
8/06	0800	EMB	T Mercury	0.0010		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
8/02	1231	EMB	T Nickel	0.0400		MG/L			249.1	EPA	1.1800	1.1800	100.3 *
7/30	1705	EMB	T Silver	0.0100		MG/L			272.1	EPA	0.8460	0.8400	84.3 *
8/02	1022	EMB	T Zinc	0.1140		MG/L			289.1	EPA	1.5800	1.5850	93.1 *
8/02	1022	EMB	T Cadmium	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature   
Environmental Services Co., Inc.



N Site II  
 N Phase I  
 (Excl)

Date	SITE 3	SITE 4	CLS IV	PHASE 1	WEST CLS IV	HAUL TOTAL
1						0
2						0
3						0
4						0
5						0
6						0
7		12350	12350			12350
8	2000	10350	12350			12350
9		12350	12350			12350
10						0
11						0
12						0
13						0
14		9200	4600			13800
15		12350				12350
16						0
17						0
18						0
19						0
20						0
21						0
22						0
23			12350			12350
24						0
25						0
26						0
27		4600	4600	4600	4600	13800
28						0
29			4600	4600	4600	13800
30						0
31						0
	0	2000	65800	26150	9200	103150

Leachate Report For the month of July

OMI

OMI

Leachate Report For the month of August

Date	SITE 3	SITE 4	CLS IV	PHASE 1	WEST CLS IV	HAUL TOTAL
1						0
2						0
3						0
4						0
5			4600		4600	9200
6						0
7						0
8						0
9						0
10						0
11						0
12						0
13						0
14						0
15						0
16						0
17						0
18						0
19						0
20						0
21						0
22						0
23						0
24						0
25						0
26						0
27						0
28						0
29						0
30						0
31						0
	0	0	4600	0	4600	9200

# OMI

## Leachate Report For the month of September

Date	SITE 3	SITE 4	CLS IV	PHASE 1	WEST CLS IV	HAUL TOTAL
1						0
2						0
3						0
4						0
5						0
6						0
7						0
8						0
9						0
10						0
11						0
12						0
13						0
14						0
15	4600		4600	4600		13800
16			4600		9200	13800
17						0
18						0
19						0
20						0
21						0
22						0
23						0
24						0
25						0
26						0
27						0
28						0
29						0
30						0
31						0
	4600	0	9200	4600	9200	27600















**Environmental Services Co., Inc.**

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Little Rock, AR 72215

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Springdale, AR 72764

1704 Shelby Oaks Dr. N.  
Memphis, TN 38134

Phone: (501) 221-2585 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 10/13/99

Type Of Sample : GRAB

Control Number: 9907020170

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: SITE IV

Work Order No.:

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Purchase Order:

Time Of Sample: 1451

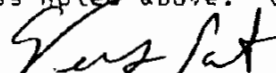
Delivered To Lab By : S. ISAACKS

Analysis										Quality Assurance			
Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Duplicates	% Spike	Recovery
08/05	0900	EMB	T Arsenic	0.0100		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.0 *
07/16	1451	SI	pH	7.20		S.U.			150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium	0.0300		MG/L			218.1	EPA	1.1870	1.0280	100.3
08/02	1022	EMB	T Copper	0.0930		MG/L			220.1	EPA	2.5750	2.5250	80.0
08/04	0812	EMB	T Lead	0.0500		MG/L			239.1	EPA	0.9770	1.0100	97.4
08/06	0800	EMB	T Mercury	0.0016		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	<del>T Nickel</del>	<del>0.1300</del>		MG/L			249.1	EPA	1.1800	1.1800	100.3
07/30	1705	EMB	T Silver	0.0100		MG/L			272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc	1.2200		MG/L			289.1	EPA	1.5800	1.5850	93.1
08/02	1022	EMB	T Cadmium	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature \_\_\_\_\_



Environmental Services Co., Inc.

Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2585 FAX: (501) 221-1341

## CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information				Project Information						Requested Parameters										
Company Name: Sunray Services, Inc.				Permit/Project #:						Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: P. O. Box 1310				Purchase Order #:																
Springdale, AR 72765				Sampler Name(s): SAM ISAACKS																
Telephone: 751-7024				and Signature(s): <i>Sam Jordan</i>																
FAX: 751-7924																				
ESC Client Number: 1123																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
SITE IV	7-0120	7/16/99	1451	Grab	Leachate	Plastic	1/2 gal	Nitric	1	X	X									
								None	1			X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seal:										
<i>Sam Isaacks</i>		7/16/99	1519	<i>Timothy Y. Bascha</i>						Used? <input type="checkbox"/> Inject? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:										
										Regular <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	This Document Is Page 1 of 1										
				<i>Timothy Y. Bascha</i>				7-16-99	1520											
Comments: Special reporting format to be used pH 7.20 31.3°C																				

**Environmental Services Co., Inc.**

1345 West Harrison

1107 Century

1704 Shelby Oaks Dr. N.

P.O. Box 5644

Springdale, AR 72764

Memphis, TN 38134

Little Rock, AR 72215

Phone: (501) 221-2565 Fax: 221-1341

Phone: (501) 750-1170 Fax: 750-1172

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 10/13/99

Type Of Sample : GRAB

Control Number: 9907020171

Customer Name : WASTE MANAGEMENT, INC.-TOHTITOWN

Sample Collected From: CLASS IV

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Time Of Sample: 1412

Delivered To Lab B, : S. ISAACKS

Purchase Order:

Analysis

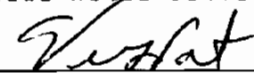
Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance	
											Duplicates	% Spike Recovery
08/05	0900	EMB	T Arsenic	0.0010		MG/L			206.2	EPA	0.0060	0.0000 73.2
08/05	1300	EMB	T Selenium	0.0020		MG/L			270.2	EPA	0.0130	0.0120 125.8 *
07/16	1412	SI	DR	7.41		S.U.			150.1	EPA	7.16	7.17 *
08/03	0920	EMB	T Chromium	0.0300		MG/L			218.1	EPA	1.1870	1.0200 100.3 *
08/02	1022	EMB	T Copper	0.0300		MG/L			220.1	EPA	2.5750	2.5250 80.0 *
08/04	0812	EMB	T Lead	0.0500		MG/L			239.1	EPA	0.9770	1.0100 97.4 *
08/06	0800	EMB	T Mercury	0.0010		MG/L			245.1	EPA	0.0018	0.0018 90.4 *
08/02	1231	EMB	T Nickel	0.0200		MG/L			249.1	EPA	1.1800	1.1800 100.3 *
07/30	1705	EMB	T Silver	0.0100		MG/L			272.1	EPA	0.8460	0.8400 84.3 *
08/02	1022	EMB	T Zinc	0.1390		MG/L			289.1	EPA	1.5800	1.5850 93.1 *
08/02	1022	EMB	T Cadmium	0.0110		MG/L			213.1	EPA	1.0030	1.0040 100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature \_\_\_\_\_



Environmental Services Co., Inc.



Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2565 FAX: (501) 221-1341

## CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information				Project Information						Requested Parameters										
Company Name: <u>Sunray Services, Inc.</u>				Permit/Project #:						Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: <u>P. O. Box 1310</u>				Purchase Order #:																
<u>Springdale, AR 72765</u>				Sampler Name(s): <u>SAM ISAACKS</u>																
Telephone: <u>751-7024</u>				and Signature(s): <u>[Signature]</u>																
FAX: <u>751-7924</u>				ESC Client Number: <u>1123</u>																
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
<u>CLASS JB</u>	<u>7-0191</u>	<u>7/16/99</u>	<u>1412</u>	<u>Grab</u>	<u>Leachate</u>	<u>Plastic</u>	<u>1/2 gal</u>	<u>Nitric</u>	<u>1</u>	<u>X</u>	<u>X</u>									
		<u>1</u>	<u>1</u>					<u>None</u>	<u>1</u>			<u>X</u>								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:										
<u>SAM ISAACKS [Signature]</u>		<u>7/16/99</u>	<u>7519</u>							Used? <input type="checkbox"/> In tact? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:										
										Regular <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	This Document Is Page <u>1</u> of <u>1</u>										
				<u>[Signature]</u>				<u>7-16-99</u>	<u>1520</u>											
Comments: <u>Special reporting format to be used pH 7.41 22.1°C</u>																				

**Environmental Services Co., Inc.**

13716 West Markham

P.O. Box 5644

Little Rock, AR 72215

Phone: (501) 221-2565 Fax: 221-1341

1107 Century

Springdale, AR 72764

Phone: (501) 750-1170 Fax: 750-1172

1704 Shelby, Oaks Dr. N.

Memphis, TN 38134

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 10/13/99

Type Of Sample : GRAB

Control Number: 9907020172

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: W. CLASS IV

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Work Order No.:

Time Of Sample: 1433

Delivered To Lab By : S. ISAACKS

Purchase Order:

Analysis

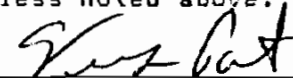
Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		
											Duplicates	Recovery	% Spike
08/05	0900	EMB	<del>Lead</del>	<del>0.1890</del>		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.8 *
07/16	1433	SI	pH	6.84		S.U.			150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium	0.0300		MG/L			218.1	EPA	1.1070	1.0280	100.3 *
08/02	1022	EMB	T Copper	0.0300		MG/L			220.1	EPA	2.5750	2.5250	80.0 *
08/04	0812	EMB	T Lead	0.0500		MG/L			239.1	EPA	0.9770	1.0100	97.4 *
08/06	0800	EMB	T Mercury	0.0010		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.0200		MG/L			249.1	EPA	1.1000	1.1800	100.3 *
07/30	1705	EMB	T Silver	0.0100		MG/L			272.1	EPA	0.0460	0.0400	84.3 *
08/02	1022	EMB	T Zinc	0.2900		MG/L			289.1	EPA	1.5800	1.5050	93.1 *
08/02	1022	EMB	T Cadmium	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature



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 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2565 FAX: (501) 221-1341

# CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information				Project Information						Requested Parameters										
Company Name: Sunray Services, Inc.				Permit/Project #:						Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: P. O. Box 1310 Springdale, AR 72765				Purchase Order #:																
Telephone: 751-7024				Sampler Name(s): <i>SAM I SACKS</i>																
FAX: 751-7924				and Signature(s): <i>Sam I Sacks</i>																
ESC Client Number: 1123																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
WEST CLASS IV	7-0192	7/16/99	1433	Grab	Leachate	Plastic	1/2 gal	Nitric	1	X	X									
								None	1			X								
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Custody Seals:										
<i>Sam I Sacks</i>		7/16/99	1519	<i>Shirley D. Bracke</i>						Used? <input type="checkbox"/> Inject? <input type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)				Date	Time	Turnaround:										
										Regular <input type="checkbox"/> Special <input checked="" type="checkbox"/>										
Relinquished By: (Signature and Printed Name)		Date	Time	Received for Lab By: (Signature and Printed Name)				Date	Time	This Document is Page 1 of										
				<i>Shirley D. Bracke</i>				7/16/99	1520											
Comments: Special reporting format to be used																				

*pH 6.84 35.1°C*

**Environmental Services Co., Inc.**

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Springdale, AR 72764

Phone: (501) 750-1170 Fax: 750-1172

1704 Shelby Oaks Dr. N.

Memphis, TN 38134

Phone: (901) 372-9332 Fax: 372-9334

Date Of Report: 10/13/99

Type Of Sample : GRAB

Control Number: 9907020173

Customer Name : WASTE MANAGEMENT, INC.-TONTITOWN

Sample Collected From: N. SITE IV

Work Order No.:

Sample Date: 07/16/99

Sample Collected By : S. ISAACKS

Purchase Order:

Time Of Sample: 1400

Delivered To Lab By : S. ISAACKS

Analysis

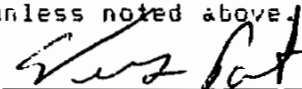
Quality Assurance

Date	Time	By	Parameter	Concentration	Notes	Units	Quantity	Units	Method	Edition or Ref.	Quality Assurance		% Spike Recovery
											Duplicates		
08/05	0900	EMB	T Arsenic	0.0040		MG/L			206.2	EPA	0.0060	0.0080	73.2 *
08/05	1300	EMB	T Selenium <	0.0020		MG/L			270.2	EPA	0.0130	0.0120	125.8 *
07/16	1400	SI	all	7.53		S.U.			150.1	EPA	7.16	7.17	*
08/03	0920	EMB	T Chromium <	0.0300		MG/L			218.1	EPA	1.1070	1.0280	100.3 *
08/02	1022	EMB	T Copper <	0.0300		MG/L			220.1	EPA	2.5750	2.5250	88.0 *
08/04	0812	EMB	T Lead <	0.0500		MG/L			239.1	EPA	0.9770	1.0100	97.4 *
08/06	0800	EMB	T Mercury <	0.0010		MG/L			245.1	EPA	0.0018	0.0018	90.4 *
08/02	1231	EMB	T Nickel	0.0400		MG/L			249.1	EPA	1.1800	1.1800	100.3 *
07/30	1705	EMB	T Silver <	0.0100		MG/L			272.1	EPA	0.8460	0.8400	84.3 *
08/02	1022	EMB	T Zinc	0.1140		MG/L			289.1	EPA	1.5800	1.5850	93.1 *
08/02	1022	EMB	T Cadmium <	0.0100		MG/L			213.1	EPA	1.0030	1.0040	100.4 *

\* QA data shown is from a different sample or standard on the same date.

All equipment used is checked and/or calibrated daily. All testing is conducted in accordance with 40 CFR Part 136. A minimum of 10% spiked and duplicate samples is run on each parameter where applicable for Quality Assurance purposes. Reference used: Standard Methods For Examination Of Water and Wastewater, unless noted above. QA PLAN filed with ADPC&E.

Signature



Environmental Services Co., Inc.

Environmental Services Company, Inc.  
 Corporate Office  
 13715 West Markham P.O. Box 55146  
 Little Rock, AR 72211 Little Rock, AR 72215



Environmental Services Company, Inc.  
 Northwest Branch  
 1107 Century  
 Springdale, AR 72764

Phone: (501) 221-2565 FAX: (501) 221-1341

## CHAIN OF CUSTODY

Phone: (501) 750-1170 FAX: (501) 750-1172

Client Information				Project Information						Requested Parameters										
Company Name: Sunray Services, Inc.				Permit/Project #:						Cr	Cd	Cu	Pb	Hg	Ni	Ag	Zn	As	Se	pH
Address: P. O. Box 1310 Springdale, AR 72765				Purchase Order #:																
Telephone: 751-7024				Sampler Name(s): <i>SAM ISAACS</i>																
FAX: 751-7924				and Signature(s): <i>Sam Isaac</i>																
ESC Client Number: 1123																				
Sample Identification		Sample Collection				Sample Containers														
Identification	ESC Control #	Date	Time	Type	Matrix	Type	Volume	Preservative	#											
<i>NO. 517F IV</i>	<i>9-0173</i>	<i>7/16/99</i>	<i>1400</i>	<i>Grab</i>	<i>Leachate</i>	<i>Plastic</i>	<i>1/2 gal</i>	<i>Nitric</i>	<i>1</i>	<i>X</i>	<i>X</i>									
		<i>L</i>	<i>L</i>					<i>None</i>	<i>1</i>				<i>X</i>							
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Custody Seal:												
<i>SAM ISAACS</i>		<i>7/16/99</i>	<i>1519</i>					Used? <input type="checkbox"/> Intact? <input type="checkbox"/>												
Relinquished By: (Signature and Printed Name)		Date	Time	Received By: (Signature and Printed Name)		Date	Time	Turnaround:												
								Regular <input type="checkbox"/> Special <input checked="" type="checkbox"/>												
Relinquished By: (Signature and Printed Name)		Date	Time	Requested for Lab By: (Signature and Printed Name)		Date	Time	This Document is Page 1 of												
				<i>Sam Isaac</i>		<i>7-16-99</i>	<i>1520</i>													
Comments: <i>Special reporting format to be used pH 7.53 29.9°C</i>																				

# BENTONVILLE

## Leachate Report

## For the month of July

Date	SITE 3	SITE 4	CLS IV	PHASE 1	WEST CLS IV	HAUL TOTAL
1						0
2		4600		4600	4600	13800
3						0
4						0
5						0
6				4600	9200	13800
7				13800	4600	18400
8		4600		4600	9200	18400
9					4600	4600
10						0
11						0
12			4600	4600	9200	18400
13			9200		4600	13800
14						0
15						0
16			18400			18400
17						0
18						0
19			9200		9200	18400
20						0
21				13800	4600	18400
22						0
23				4600	4600	9200
24						0
25						0
26			4600	9200	4600	18400
27						0
28			9200	4600	4600	18400
29						0
30		4600	4600	4600		13800
31						0
	0	13800	59800	69000	73600	216200

**BENTONVILLE**  
**Leachate Report**      **For the month of August**

Date	SITE 3	SITE 4	CLS IV	PHASE 1	WEST CLS IV	HAUL TOTAL
1						0
2						0
3						0
4			4600	4600	9200	18400
5						0
6			13800		4600	18400
7						0
8						0
9						0
10			9200	4600	4600	18400
11	4600			9200	4600	18400
12			4600		9200	13800
13						0
14						0
15						0
16	4600		4600		9200	18400
17						0
18			4600	9200	4600	18400
19						0
20			4600	9200		13800
21						0
22						0
23			4600	13800		18400
24			4600	4600	4600	13800
25						0
26						0
27				7750	7750	15500
28						0
29						0
30			4600	4600	9200	18400
31						0
	4600	4600	59800	67550	67550	204100

**BENTONVILLE**  
**Leachate Report**      **For the month of September**

Date	SITE 3	SITE 4	CLS IV	PHASE 1	WEST CLS IV	HAUL TOTAL
1						0
2						0
3		4600			13800	18400
4						0
5						0
6						0
7						0
8						0
9				9200	9200	18400
10					9200	9200
11						0
12						0
13				9200	4600	13800
14			4600		13800	18400
15						0
16						0
17						0
18						0
19						0
20						0
21			4600		9200	13800
22				9200	9200	18400
23			4600	4600	9200	18400
24						0
25						0
26						0
27						0
28						0
29						0
30						0
						0
	0	4600	13800	32200	78200	128800











## Waste Management, Inc West Class 4 Tank # 006

Analytical Results (mg/l)	Cadmium	Chromium	Copper	Lead	Mercury	Nickel	Silver	Zinc	Arsenic	Selenium
	0.02	0.03	0.02	0.05	0.0019	0.05	0.01	0.394	0.059	0.005

Permit Limits (lb/day)	0.003	0.048	0.136	0.041		0.074		0.887		
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Date	Gallons	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)	(lb/day)
7/2/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/6/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
7/7/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/8/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
7/9/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/12/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
7/13/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/19/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
7/21/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/23/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/26/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
7/28/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
8/4/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
8/6/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
8/10/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
8/11/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
8/12/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
8/16/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
8/18/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
8/24/99	4600	0.00077	0.00115	0.00077	0.00192	7.3E-05	0.00192	0.00038	0.01512	0.00226	0.00019
8/27/99	7750	0.00129	0.00194	0.00129	0.00323	0.00012	0.00323	0.00065	0.02547	0.00381	0.00032
8/30/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038
9/3/99	13800	0.0023	0.00345	0.0023	0.00575	0.00022	0.00575	0.00115	0.04535	0.00679	0.00058
9/9/99	9200	0.00153	0.0023	0.00153	0.00384	0.00015	0.00384	0.00077	0.03023	0.00453	0.00038

