980010

CSR

Rinker

December 22, 1997

RECEIVED
DEC 30 1997
DEPT. OF ENV. PROTECTION

Department of Environmental Regulation
Southeast District
P.O. Box 15425
West Palm Beach, FL 33416

Attn: Mr. Lee Martin

Dear Lee:

In regard to your telephone request, please find enclosed the analysis for the project you requested. The total lead was 2180ppm and a TCLP at .90ppm.

In terms of the Material Acceptance Report for this project, the lead results showing 582ppm is from samples we take when material is received for processing. This analysis is an internal check to give us another look at the blend element as the project is received by us.

Please let me know if you require any further information.

Sincerely,

David Marple

CSR Rinker Materials, 1200 N.W. 137th Avenue, Miami, FL 33182, PO Box 650679, Miami, FL 33265-0679
Telephone (305) 221-7645 Facsimile (305) 223-5403

PETROH000248
Charles Overstreet
Petro Hydro, Inc. √
8405 N.W. 53rd St. #B-116
Miami, FL 33166

Page 8
August 25, 1997
Submission # 9708000669
Order # 242643
FDER CompQAP# 920323G
HRS Certification# E86349, 86413

Site Location/Project
Jome 1634 N.W. 119th Street Miami,FL.
Jome

Sample I.D.: East Side
Collected: 08/21/97 00:00
Received: 08/21/97 17:40
Collected by: Charles Overstreet

PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT	DATE EXT.	DATE ANALY.	ANALYST
Halogens, Total Organic	BDL	mg/Kg	5050/9253A	10.0	08/25/97	08/25/97	GCMS
TCLP Extraction Procedure	FL #1		1311 Extraction		08/21/97	08/21/97	LA
6010 RCRA 7 Metals in SOIL & WASTES by ICP			MEDF	1			
Arsenic, Total	BDL	mg/Kg	3051/6010	0.750	08/22/97	08/22/97	MB
Barium, Total	108	mg/Kg	3051/6010	1.000	08/22/97	08/22/97	MB
Cadmium, Total	12.7	mg/Kg	3051/6010	1.000	08/22/97	08/22/97	MB
Chromium, Total	42.0	mg/Kg	3051/6010	1.000	08/22/97	08/22/97	MB
Lead, Total	2180	mg/Kg	3051/6010	1.000	08/22/97	08/22/97	MB
Selenium, Total	BDL	mg/Kg	3051/6010	1.000	08/22/97	08/22/97	MB
Silver, Total	BDL	mg/Kg	3051/6010	1.000	08/22/97	08/22/97	MB
Cadmium, TCLP	BDL	mg/L	1311/7130	0.05	08/21/97	08/22/97	MB
Chromium, TCLP	BDL	mg/L	1311/7190	0.10	08/21/97	08/23/97	LA
Copper, TCLP	0.11	mg/L	1311/7210	0.1	08/21/97	08/22/97	MB
Lead, TCLP	0.90	mg/L	1311/7421	0.005	08/21/97	08/22/97	LA
Mercury (Cold Vapor AA)	0.160	mg/Kg	7471A	0.100	08/22/97	08/22/97	CDP
8021B VOA {8020} Compounds in Soil & Waste GC			MEDF	1			
Methyl-tert-butyl-ether	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Benzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD

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1,1-Dichloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
2,2-Dichloropropane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Cis-1,2-Dichloroethene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Chloroform	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Bromochloromethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,1,1-Trichloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,1-Dichloropropene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Carbon Tetrachloride	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2-Dichloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Trichloroethene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2-Dichloropropane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Bromodichloromethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
2-Chloroethylvinyl Ether	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Dibromomethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Cis-1,3-Dichloropropene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Trans-1,3-Dichloropropene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,1,2-Trichloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,3-Dichloropropane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD

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Toluene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Chlorobenzene	0.524	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Ethylbenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
m & p Xylene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
o- Xylene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,3-Dichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,4-Dichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2-Dichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
8021B VOH (8010) Compounds in Soil & Waste GC			MEDF	1			
Dichlorodifluoromethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Chloromethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Vinyl Chloride	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Bromomethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Chloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Trichlorofluoromethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,1-Dichloroethene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Methylene Chloride	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Trans-1,2-Dichloroethene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD

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Tetrachloroethene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Dibromochloromethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2-Dibromoethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Chlorobenzene	0.524	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,1,1,2-Tetrachloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Bromoform	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,1,2,2-Tetrachloroethane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2,3-Trichloropropane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
2-Chlorotoluene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
4-Chlorotoluene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,3-Dichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,4-Dichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2-Dichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2-Dibromo-3-Chloropropane	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2,4-Trichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
Hexachlorobutadiene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
1,2,3-Trichlorobenzene	BDL	mg/Kg	5030/8021B	0.100	08/22/97	08/22/97	PMD
8082 PCBs Only (Arochlors) in Soils & Wastes			MEDF	1			

PETROH000248
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Petro Hydro, Inc. √
8405 N.W. 53rd St. #B-116
Miami, FL 33166

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FDER CompQAP# 920323G
HRS Certification# E86349, 86413

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Arochlor 1016	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1221	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1232	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1242	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1248	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1254	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1260	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
Arochlor 1262	BDL	ug/Kg	3550/8082	20.000	08/22/97	08/22/97	JT
8270C PAHs (610) in Soils and Wastes by GC-MS			MEDF	1			
Naphthalene	4.4	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
2-Methylnaphthalene	6.7	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
1-Methylnaphthalene	4.7	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Acenaphthene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Phenanthrene	18.2	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Fluoranthene	26.5	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Benzo(a)anthracene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Benzo(b)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Benzo(a)pyrene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC

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Benzo(ghi)perylene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Acenaphthylene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Fluorene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Anthracene	4.4	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Pyrene	23.3	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Chrysene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Benzo(k)fluoranthene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Indeno(1,2,3-cd)pyrene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
Dibenzo(a,h)anthracene	BDL	mg/Kg	3550/8270C	0.330	08/22/97	08/25/97	MEC
FL-PRO (Petroleum Residual Organic)-{SOILS}			MEDF	1			
Gas Range Organics (C8-C10)	66.2	mg/Kg	FL-PRO (DEP UST)	1.000	08/22/97	08/22/97	JT
Diesel Range Org (C10-C28)	1610	mg/Kg	FL-PRO (DEP UST)	1.000	08/22/97	08/22/97	JT

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PARAMETER	RESULT	UNITS	METHOD	DETECTION LIMIT	DATE EXT.	DATE ANALY.	ANALYST
Heavy Range Org (C28-C40) est.	2650	mg/Kg	FL-PRO (DEP UST)	1.000	08/22/97	08/22/97	JT

BDL: Indicates Analyte is Below Detection LimitMEDF: Matrix Effected Dilution Factor***
Work Subcontracted to Outside Labs Denoted by HRS Cert ID in Analyst Field
Qualifier following result conforms to FAC 62-160 Table 7
Unless otherwise noted, mg/Kg denotes wet weight

Michael A. Spitzer, Laboratory Director

Submission Code: 97/08-669
Orders: 242642-242643
Entered to lims: DAB

PRECISION ENVIRONMENTAL LABORATORY
CHAIN OF CUSTODY RECORD (DEP 62-770.900 (modified form))

10200 USA TODAY WAY, MIRAMAR, FLORIDA 33025
(954) 431-4550 • NATL WATS (800) LAB-8550 • FAX (954) 431-1959

Original - Return w/Report | Yellow - Lab Copy | Pink - Sampler Copy

FDEP Facility No.
Page ____ of ____
Sampling CompQAP NO.
Approval Date:

Report To: Petro Hydro Inc.
Report To Address: 8405 N.W. 53rd Street, B116, Miami Fl
Bill To: ~~Floval Oil~~ — Petro Hydro
Billing Address: 2990 N.W. 24th Street, Miami, Fl
Project Number/Name: Jome
Site Location: Jome
Project Contact: Charles Overstreet | Phone: 305477-0878 | FAX: 305 594-8982 | 1634 NW 119th Street
Alternate Contact: | Phone: ~~305~~ | FAX: | Miami, Fl
Sampled By (print): Charles Overstreet
Sampler's Signature: Charles Overstreet

ITEM	SAMPLE ID	DATE COLLECTED	TIME COLLECTED	pH FLD	TEMP °C FLD	COND FLD	MATRIX (DW SW GW SED S EFF HW BIO SA)	SAMPLE LOCATION/ JOB DESCRIPTION (optional if needed when samples are from different site locations)	# CONTAINERS	ANALYSIS REQUIRED: Pb Kerosene Preburn	PCBs	TCLP Cd,Cr,Pb	B100			Sample Condition as Received: Lot Number of Sampling Containers Used
1	West Side	8/21/97					S	242642	2	✓	✓	✓	✓			
2	East Side	8/21/97					S	242643	2	✓	✓	✓	✓			
3	Side Walls	8/21/97					S	HOLD	2							
4																
5																
6																
7																
8																
9																
10																

Temp 4.2 C
Sealed Yes No

Special Comments: No Credit info on Floval Oil. Per Charlie Overstreet 8/26/97 - bill to Petro Hydro PAM
Total # of Containers:

QA/QC Report Needed?: Yes No (See price guide for applicable fees)
Report Format: Standard Other (specify)

(1) Relinquished by Signature: Charles Overstreet	Date: 8/21/97	(2) Relinquished by Signature:	Date:	DUE DATE REQUESTED: 8/25/97 Confirmation #
Company:	Time:	Company:	Time:	Coating Code: ____ Q/L/D
(1) Received by Signature:	Date: 8/21/97	(2) Received by Signature:	Date:	Misc. Charges
Company: P.E.L.	Time: 1740	Company:	Time:	SHADED AREAS ARE FOR LAB USE ONLY

RINKER Environmental Services, INC.

COMPQAP #950491
HRS #E86536

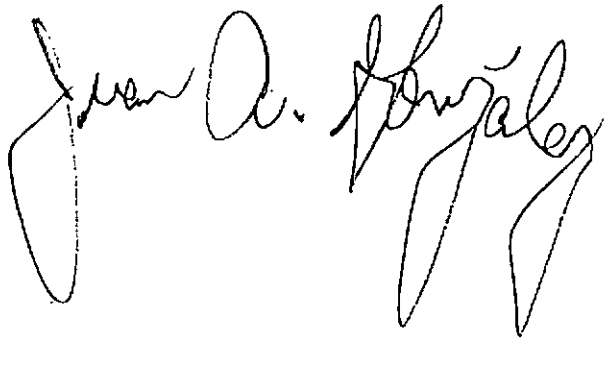
Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/10/97
SAMPLE SOURCE R.E.S.
REFERENCE # JOME
R.E.S. NUMBER 8190-8191
SAMPLE TYPE CONT. SOIL
Project 254-97006 & 254-97007

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	582	BDL	39	mg/kg	7420	1	100	10/14/97	PEP

BLEND = 1 Contaminated With 21 CLEAN

BDL = Below detection limit



Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

DEC 22 1997

Mr. James S. Jenkins, III
Rinker Materials Corporation
P.O. Box 24635
West Palm Beach, FL 33416

Dear Mr. Jenkins,

The attached Soil Thermal Treatment Facility Inspection Report documents a routine inspection of your facility at 1200 NW 137th Avenue, Miami, FL, by the Department on December 4, 1997. No deficiencies were identified during this inspection and those deficiencies identified in the previous inspection have been corrected. Thank you for your continued cooperation.

If you have any questions or need further information, please contact Lee Martin at 561-681-6676.

Sincerely,

Paul Alan Wierzbicki, P.G.
Waste Cleanup Supervisor

PAW/wlm

atch: STTF Inspection dated 12/4/97

cc: Paul Lasa, DERM, Miami
Tom Conrardy, DEP/BWC, Tallahassee
Jeff Smith, DEP/WPB
Dave Marple, Rinker Materials, Miami
West Palm Beach File

Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

SOIL THERMAL TREATMENT FACILITY INSPECTION REPORT

1. **TYPE INSPECTION:** ___ COMPLAINT X ROUTINE ___ FOLLOW-UP ___ PERMITTING

2. **FACILITY NAME** Rinker Portland Cement Corp.

   DER/EPA ID FLD981758485 **GMS ID** _____

3. **ADDRESS** 1200 NW 137th Ave, Miami, Fl, 33182
   Mailing: P.O. Box 24635, West Palm Beach, Fl 33416-4635

COUNTY Dade **PHONE** 305- 221-7645 **DATE** 12/4/97 **TIME** 1:30 PM

4. **TYPE OF FACILITY** Thermal Soil Treatment Facility

5. **DESCRIPTION OF OPERATION:**
Facility Operations include limerock mining and contaminated soil processing to produce cement.
Rinker uses kilns fired by coal, natural gas, or used oil in production.

6. **APPL. REGULATIONS:** ___ 62-2, F.A.C. X 62-775, F.A.C.

7. **RESPONSIBLE OFFICIAL:** (Name and Title)
James Jenkins, Vice President

8. **SURVEY PARTICIPANTS AND PRINCIPAL INSPECTOR:**
Lee Martin, Jim Harmon, FDEP
Dave Marple, Rinker Materials

9. **FACILITY LATITUDE** 25°46'57" conf. **LONGITUDE** 80°25'20" conf. 8/93

10. **TYPE OWNERSHIP:** FEDERAL STATE COUNTY MUNICIPAL PRIVATE

11. **NOTICE NO:** SO13-290034 **DATE ISSUED:** 6/28/96 **EXP. DATE:** 6/7/2001

Rev 8/18/94

A routine inspection was conducted at the Rinker Portland Cement Corporation's soil thermal treatment facility regulated pursuant to Chapter 62-775, Florida Administrative Code (FAC) and Chapter 62-701,FAC. This facility operates a rotary kiln and utilizes the petroleum contaminated soil and coal tar contaminated soil in the manufacture of cement.

BACKGROUND INFORMATION:

Rinker was issued a General Permit #SO13-290034 to operate a soil thermal treatment facility on June 28, 1996 which expires on June 7, 2001. The Rinker facility was operating as an existing facility as defined in 62-775.200, FAC prior to the effective date of this rule. Additionally, the facility treats coal tar contaminated soil under a Solid Waste Material Recovery Facility Permit #SO13-300512 issued June 4, 1997 which expires on June 4, 2002. A complete process description is provided in the Rinker permit application; however, the process was reviewed at the inspection as follows:

According to Dave Marple, prior to accepting any soil for thermal treatment pursuant to 62-775, FAC, Rinker requires a soil analysis profile. Based on this profile, and specific conditions from DEP and Metro Dade Department of Environmental Resources Management (DERM), soils are brought by truck to the soil storage facility. DERM has granted approval authority to Rinker, subject to specific conditions in their DERM solid waste permit. Rinker claims to accept no hazardous wastes as defined in 40 CFR Part 261.

Rinker has operated a materials substitution program since 1991. This program researches and evaluates different alternative materials for use as raw materials in the production of cement or for use as an alternative fuel source in the kilns. Two alternative materials currently in use include the substitution of fuel contaminated soils for clean silica sand and the substitution of "on-spec" waste oil for fuel oil in kiln burners. Other alternative material substitutions under discussion and/or evaluation for possible future use include: (1) substitution of oily waste water for part of the slurry makeup water, (2) burning tires for fuel, (3) replacing FP&L slag with other power plant ashes such as ash from MSW incinerators, (4) using spent petroleum catalyst as an aluminum source, and (5) blending oily sludges with contaminated soils.

Rinker has received approval for burning old tires as a fuel and iron supplement. The tires are injected whole, two at a time, through a patented system during each rotation of the kiln. The point of injection is approximately midway along the kiln where the temperature is approximately 1800 ^{0} F. Additionally, the tires are packed with petroleum contaminated booms, diapers, absorbent material, jet fuel filters, etc.; however, operational problems with lowering of temperatures has suspended continuous burning but some batch burning is still performed.

Rinker has received a determination that the use of spent petroleum catalyst as an aluminum source is not regulated under 62-775, F.A.C.; however, the characteristics provided would make storage on the bare ground inappropriate. Several loads (10-12) of spent catalyst from a Hess operation in Puerto Rico were received in the past, but handling problems due to the extremely dusty nature of the material has delayed subsequent shipments while a pneumatic off-loading and handling system is being investigated.

Rinker has applied for and received a Solid Waste Material Recovery Facility Permit No. SO13-300512 which allows Rinker to accept and treat certain coal tar contaminated soils. Rinker accepted coal tar contaminated soils from mid June-mid August and revised the treated soil reporting form to reflect the coal tar parameters.

Rinker has applied for an alternative procedure to allow processing of certain petroleum related sludges/residues along with petroleum contaminated soil. This request is under review by the Bureau of Waste Cleanup.

The afterburner system for the petroleum contaminated soils is in operation, the soils process through a preliminary kiln (stone dryer) with afterburner first, then go through the cement kiln. Preliminary in house analysis of the soils, although not required, indicate the soils meet clean soil criteria before they are processed through the cement kiln.

SOIL STORAGE FACILITY:

Incoming soils to be thermally treated by Rinker arrive by independent contractors via truck to the soil storage facility. Rinker has changed their policy concerning drum handling due to the increase in drill cuttings received in drums and the subsequent bottle neck caused in the off loading area. The drums are placed in the Northwest corner of the facility and emptied as time permits and during this inspection all drums previously observed outside the building have been relocated inside the building. Once emptied the drums are then rinsed at the drum washing area and crushed for salvage. The rinse water is contained and used on site in slurry production, the sediments are returned to the soil storage facility. The current facility located South of the railroad tracks became operational February 9, 1992 and consists of a 100' by 300' monolith concrete slab sealed to solid concrete walls on three sides with a concrete curb across the front. The facility has an open front to accommodate trucks and equipment, enclosed sides, and a roof. The floor slopes to the southeast corner where a sump is located to collect any contaminated water from wind blown rain seeping through the contaminated soils. The leachate collection tank has been relocated outside the Southeast corner of the facility. The tank is within a secondary containment structure and piping outside the facility is double-walled. An additional interior concrete curb sloping away from the Northeast front wall toward the interior of the facility had been installed. An additional stem wall has been constructed along the Northeast front wall and rain gutters have been redirected after investigation following the December 1996 inspection. This will continue to be checked in the future. The four groundwater wells off the corners of the facility have flush mounted manhole lids. Repairs have been completed for the NW monitor well.

Upgraded electrical service to the facility allowed conversion of the screening capability and metal removal by magnetic methods from diesel to electric operation with a significant decrease in noise levels during operation. The metal and plastics removed from the soils are collected for transport to the County landfill, Rinker should maintain receipts for proper disposal. The larger concrete debris screened out initially are taken to the rock crusher to be pulverized separately and mixed back in with the contaminated soils at the soil storage facility. Spent oil filters are drummed at the soil storage facility and processed for recycling to Cliff Berry, Inc. (see 5/27/97 manifest). A new covered dumpster has been located in the Northeast corner of the soil storage building to allow collection of oily wastes/sludges which are mixed with the fuel oil and burned in the kiln.

RECORDKEEPING:

Rinker has received a Department alternative procedure approval (File No. AP-STTF001) for testing of contaminated soils. Rinker relies solely on the test results supplied by other labs; however, Rinker requires acknowledgment of a Department approved Quality Assurance plan from the labs supplying the data. Rinker performs spot checks of some samples. A review of records for untreated soil for September 1997 indicated some batches of untreated soils were received which exceeded the clean soil criteria for metals; however, spot checks on some of these batches were made and blending records were provided as required by 62-775.400(4), FAC, which confirms blended soils comply with total metals standards. Rinker began treating low level PCB contaminated soils in April 1994 and developed a form to tracking the source, soil PCB content, quantity, PCB concentration, pounds PCB treated, and cumulative year to date PCB treated. No reporting forms for untreated PCB contaminated soils were submitted for this inspection period. Rinker began treating coal tar contaminated soils in mid-June 1997 and developed a form to track

the required analytical data for the treated soils. No treated soils analyzed for this quarter exceeded the VOA or TRPH criteria for clean soil in 62-775, FAC.

SUMMARY:

The new soil storage facility incorporates "state of the art" technology in handling and storing petroleum, low level PCB contaminated soils, and coal tar contaminated soils and significantly enhances Rinker's capability to process contaminated soils in an environmentally sound manner. No other signs of discharge were noted and all facility personnel were very cooperative.

EXHIBIT E
Florida Department of Environmental Regulation
STATIONARY SOIL THERMAL TREATMENT FACILITY
INSPECTION REPORT

Name of Facility RINKER MATERIALS
Location 1200 NW 137th AVE, MIAMI, FL 33182
General Permit No. SO13-290034 Date of Inspection 12/4/97
Contact Person DAVE MARPLE
Person Completing Report LEE MARTIN

Instructions: Complete the appropriate spaces for each item listed below. Use comments space to provide additional information for each item. Additional paper may be used if necessary.

Yes	No		SITE SURVEY
✓		1.	Does information provided on general permit notice of intent form coincide with actual facility?
✓		2.	Is soil sampling procedure correct?
✓		3.	Are monitoring wells properly installed (proper number and location)?
✓		4.	Are monitor wells being properly sampled and analysed for required parameters?
✓		5.	Is untreatd soil stockpiled separately from treated soil and properly identified?
✓		6.	Is untreated soil adequately covered by roofing?
✓		7.	Do floors for storage appear to be properly constructed and in good condition?
✓		8.	Are floors properly bermed to provide runoff control?
✓		9.	Is a leachate collection system provided?

Yes	No		REPORTING FORMS
✓		10.	Are untreated soil reporting forms being properly completed? starting date 9/2/97 end date 9/26/97
✓		11.	Are treated soil reporting forms being properly completed? starting date 8/18/97 end date 11/2/97 using new form to include coal tar parameters

12. Indicate frequency clean soil criteria is being met?
    a. 100 % TRPH - 10 mg/kg, or
    b. ____ % TRPH - 50 mg/kg, PAH - 6 mg/kg, and VOH - 50 ug/kg

13. Indicate ranges and approximate median values of untreated soil analyses for the following parameters.
    a. TRPH BDL mg/kg to 210000 mg/kg, median 360 mg/kg
    b. VOA BDL mg/kg to 280000 mg/kg, median 3 mg/kg
    c. Arsenic BDL mg/kg to 18 mg/kg
    d. Barium BDL mg/kg to 3120 mg/kg
    e. Cadmium BDL mg/kg to 12.7 mg/kg
    f. Chromium BDL mg/kg to 64 mg/kg
    g. Lead BDL mg/kg to 2180 mg/kg
    h. Mercury BDL mg/kg to 20.4 mg/kg
    i. Selenium BDL mg/kg to 1.9 mg/kg
    j. Silver BDL mg/kg to 4.8 mg/kg

14. Indicate ranges and approximate median values of treated soil analyses for the following parameters.
    a. TRPH BDL mg/kg to BDL mg/kg, median BDL mg/kg
    b. VOA BDL mg/kg to BDL mg/kg, median BDL mg/kg
    c. Arsenic 1.5 mg/kg to 3.8 mg/kg
    d. Barium 99 mg/kg to 325 mg/kg
    e. Cadmium BDL mg/kg to .28 mg/kg
    f. Chromium 35.3 mg/kg to 60.8 mg/kg
    g. Lead 2.3 mg/kg to 10.3 mg/kg
    h. Mercury BDL mg/kg to BDL mg/kg
    i. Selenium BDL mg/kg to .6 mg/kg
    j. Silver BDL mg/kg to .1 mg/kg
    k. BERYLLIUM 2.1 mg/kg to 6.9 mg/kg
    i. CYANIDE BDL mg/kg to BDL mg/kg

Comments: NO COAL TAR OR PCB CONTAMINATED SOILS RECEIVED SINCE LAST INSPECTION. TCLP ANALYSIS CONFIRMED FOR BATCH# 254-97006 WITH ELEVATED LEAD RESULTS (2180 mg/kg)

William L. Martin
Signature

12/19/97
Date

Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
West Palm Beach, Florida 33416

Virginia B. Wetherell
Secretary

ENFORCEMENT TRACKING	
FINAL_____	
Initial	Date
WLM	12/19/97
[illegible]	12/16/97
[illegible]	12/22/97

Mr. James S. Jenkins, III
Rinker Materials Corporation
P.O. Box 24635
West Palm Beach, FL 33416

Dear Mr. Jenkins,

The attached Soil Thermal Treatment Facility Inspection Report documents a routine inspection of your facility at 1200 NW 137th Avenue, Miami, FL, by the Department on December 4, 1997. No deficiencies were identified during this inspection and those deficiencies identified in the previous inspection have been corrected. Thank you for your continued cooperation.

If you have any questions or need further information, please contact Lee Martin at 561-681-6676.

Sincerely,

Jim,
Pls review and initial on the map. report above your name. Thank Lee

Paul Alan Wierzbicki, P.G.
Waste Cleanup Supervisor

PAW/wlm

atch: STTF Inspection dated 12/4/97

cc: Paul Lasa, DERM, Miami
Tom Conrardy, DEP/BWC, Tallahassee
Jeff Smith, DEP/WPB
Dave Marple, Rinker Materials, Miami
West Palm Beach File

VOA	TRPH	Ln VOA	Ln TRPH	Sep-97	*VOA*		*TRPH*	
191	5	5.252273	1.609438					
605.6	4575	6.40622	8.428362		Mean	5257.88	Mean	14900.75
1	8740	0	9.075665		Standard Error	4740.761	Standard Error	4992.381
1	4830	0	8.482602		Median	3	Median	360
1	600	0	6.39693		Mode	1	Mode	5
9000	2200	9.10498	7.696213		Standard Deviation	36414.48	Standard Deviation	38347.21
280000	4400	12.54254	8.38936		Sample Variance	1.33E+09	Sample Variance	1.47E+09
1	15	0	2.70805		Kurtosis	58.79957	Kurtosis	14.2038
19	6822	2.944439	8.827908		Skewness	7.662179	Skewness	3.672975
1	18200	0	9.809177		Range	279999	Range	209996
1	45772	0	10.73143		Minimum	1	Minimum	4
3625	8	8.19561	2.079442		Maximum	280000	Maximum	210000
605.6	4575	6.40622	8.428362		Sum	310214.9	Sum	879144
19	6822	2.944439	8.827908		Count	59	Count	59
1	18200	0	9.809177		Confidence Level(	9291.707	Confidence Level(	9784.873
5070	151	8.531096	5.01728		*Ln VOA*		*Ln TRPH*	
1	18200	0	9.809177					
1	5	0	1.609438		Mean	2.563459	Mean	5.847075
1	196	0	5.278115		Standard Error	0.425737	Standard Error	0.475774
1	31850	0	10.36879		Median	1.098612	Median	5.886104
1	122	0	4.804021		Mode	0	Mode	1.609438
524	1676	6.261492	7.424165		Standard Deviation	3.27015	Standard Deviation	3.654488
214	16	5.365976	2.772589		Sample Variance	10.69388	Sample Variance	13.35529
2.8	5	1.029619	1.609438		Kurtosis	0.055059	Kurtosis	-1.51305
68.9	84	4.232656	4.430817		Skewness	1.075169	Skewness	0.088587
605	4575	6.405228	8.428362		Range	12.54254	Range	10.86857
3	5	1.098612	1.609438		Minimum	0	Minimum	1.386294
1	71	0	4.26268		Maximum	12.54254	Maximum	12.25486
3	5	1.098612	1.609438		Sum	151.2441	Sum	344.9774
1	18200	0	9.809177		Count	59	Count	59
3	5	1.098612	1.609438		Confidence Level(	0.834428	Confidence Level(	0.932498
1	360	0	5.886104		95% Conf.Int.(Ln)=	2.303497	95% Conf.Int.(Ln)=	2.540849
2470	41000	7.811973	10.62133		Mean (Ln)=	12.98064	Mean (Ln)=	346.2203
1	9	0	2.197225		Median(Ln)=	3	Median(Ln)=	360
1	83000	0	11.3266					
19	6822	2.944439	8.827908					
3	5	1.098612	1.609438					
1	4	0	1.386294					
19	6822	2.944439	8.827908					
1	5	0	1.609438					
605	4575	6.405228	8.428362					
3	5	1.098612	1.609438					
1	5	0	1.609438					
1	780	0	6.659294					
1	210000	0	12.25486					
3	5	1.098612	1.609438					
2320	140000	7.749322	11.8494					
362	213	5.891644	5.361292					

Florida Department of Environmental Regulation

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Month: SEPTEMBER Year: 1997

Soil Thermal Treatment Facility
Untreated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP.
Air Permit No.: A013-172164
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility: _____

DER Form #	17-775.900(2)
	Soil Thermal Treatment Facility
Form Title	Untreated Soil Reporting Form
Effective Date	
DER Application No	

1	2	3	4	5								6	7	8	9
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results											
				Metals								Totals			Indicate Other Analyses Attach Lab Results Only
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	VOH	
09/02/97	350-97001	1	69.26	BDL	9.62	BDL	7.65	9.37	BDL	BDL	BDL	191	BDL	BDL	
09/02/97	721-97001	3	180.45	9.2	42.9	.133	4.15	30.56	BDL	BDL	0.7	605.6	4575	BDL	
* 09/03/97	114-97103	1	0.35	BDL	97	BDL	52	144	BDL	1.16	BDL	BDL	8740	BDL	
09/03/97	114-97104	1	4.02	BDL	143	BDL	32	9.0	BDL	BDL	BDL	BDL	4830	BDL	
09/03/97	114-97105	1	2.27	1.8	18	BDL	7.9	20	BDL	BDL	BDL	BDL	600	BDL	
09/03/97	114-97107	1	0.07	1.6	24	BDL	40	3.8	BDL	BDL	BDL	9000	2200	BDL	
09/03/97	114-97108	1	0.57	BDL	120	BDL	6	15	BDL	BDL	BDL	260000	4400	BDL	
09/03/97	203-97032	1	0.50	BDL	330	BDL	3.50	14	BDL	BDL	BDL	BDL	14.50	BDL	
09/03/97	293-97023	3	181.44	1.68	13.06	.21	2.64	1.1	BDL	BDL	BDL	19	6822	BDL	
* 09/03/97	293-97024	5	10.03	4.9	20.72	3.44	18.9	494.6	<0.4	<1.9	<7.6	BDL	18200	BDL	
09/03/97	347-97001	1	5.25	1.03	542	2	27.5	29	BDL	BDL	2	BDL	45772	BDL	
09/03/97	363-97004	1	104.75	BDL	5.7	BDL	2.7	7.00	BDL	BDL	BDL	3625	8.04	BDL	
09/03/97	721-97001	3	70.11	9.2	42.9	.133	4.15	30.56	BDL	BDL	0.7	605.6	4575	BDL	
09/04/97	293-97023	3	74.83	1.68	13.06	.21	2.64	1.1	BDL	BDL	BDL	19	6822	BDL	
* 09/04/97	293-97024	5	14.93	4.9	20.72	3.44	18.9	494.6	<0.4	<1.9	<7.6	BDL	18200	BDL	
09/05/97	203-97031	1	0.25	BDL	2.56	BDL	BDL	7.35	BDL	BDL	BDL	5070	151	BDL	
09/05/97	293-97024	5	26.45	4.9	20.72	3.44	18.9	494.6	<0.4	<1.9	<7.6	BDL	18200	BDL	
09/05/97	322-97003	3	202.39	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
09/09/97	203-97030	1	8.74	BDL	18	1.23	9.30	57	BDL	BDL	BDL	BDL	196	BDL	
09/09/97	406-97002	1	20.46	6.0	BDL	0.1	64.0	9.3	BDL	BDL	BDL	BDL	31850	BDL	
09/10/97	114-97106	1	0.45	BDL	740	BDL	2.0	5.96	BDL	BDL	BDL	BDL	122.3	BDL	
* 09/10/97	254-97006	1	72.22	BDL	108	12.7	42	2180	BDL	BDL	BDL	524.	1676	BDL	
* 09/11/97	363-97003	1	58.34	BDL	7.20	BDL	14.0	210	BDL	BDL	BDL	214.2	15.5	BDL	
09/11/97	722-97001	50	744.50	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
09/12/97	613-97009	3	189.94	<0.02	5.78	<0.01	2.51	3.974	<0.001	<0.06	<0.01	68.94	84.5	BDL	
09/12/97	721-97001	3	134.47	9.2	42.9	.133	4.15	30.56	BDL	BDL	0.7	605.6	4575	BDL	
09/12/97	722-97001	50	558.01	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
775.900(2)				9.2	740	12.7	64	2180	.9	1.16	2				

* SEE ATTACHMENT "A"

Florida Department of Environmental Regulation

Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Month: SEPTEMBER Year: 1997

Soil Thermal Treatment Facility
Untreated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP.
Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility: _____

DER Form #	17-775.900(2)
	Soil Thermal Treatment Facility
Form Title	Untreated Soil Reporting Form
Effective Date	
DER Application No	

1	2	3	4	5								6	7	8	9
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results											
				Metals								Totals			Indicate Other Analyses Attach Lab Results Only
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	VOH	
09/15/97	406-97001	1	93.55	1.4	3120	2.4	5.2	1.7	BDL	BDL	4.8	BDL	71	BDL	
09/15/97	722-97001	50	630.87	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
* 09/16/97	293-97024	5	17.98	4.9	20.72	3.44	18.9	494.6	<0.4	<1.9	<7.6	BDL	18200	BDL	
09/16/97	722-97001	50	127.49	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
09/18/97	114-97109	1	0.54	5	63	BDL	BDL	66	BDL	BDL	BDL	BDL	360	BDL	
09/18/97	114-97110	1	0.24	BDL	430	BDL	42	8.5	BDL	BDL	BDL	2470	41000	0.96	
* 09/18/97	140-97002	1	22.14	3.40	33	2.30	17	120	BDL	BDL	BDL	BDL	9.80	1	
* 09/18/97	140-97003	1	15.37	3.40	33.0	2.30	17	120	BDL	BDL	BDL	BDL	83000	BDL	
09/18/97	293-97023	3	123.70	1.68	13.06	.21	2.64	1.1	BDL	BDL	BDL	19	6822	BDL	
09/18/97	722-97001	50	559.77	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
09/19/97	203-97034	1	0.20	BDL	12.7	6.70	7.70	BDL	BDL	BDL	BDL	BDL	3.5	BDL	
09/19/97	293-97023	3	185.48	1.68	13.06	.21	2.64	1.1	BDL	BDL	BDL	19	6822	BDL	
09/19/97	322-97005	1	0.39	BDL	5.59	BDL	4.62	10.8	BDL	BDL	BDL	BDL	BDL	BDL	
09/19/97	721-97001	3	69.90	9.2	42.9	.133	4.15	30.56	BDL	BDL	0.7	605.6	4575	BDL	
09/19/97	722-97001	50	1274.46	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
09/20/97	203-97033	1	0.79	BDL	11.1	BDL	11.8	5.75	BDL	BDL	BDL	BDL	BDL	BDL	
09/20/97	623-97001	1	24.05	1.2	7.3	BDL	18	21	BDL	BDL	BDL	BDL	780	BDL	
09/22/97	127-97013	1	3.28	2.6	76	2.8	58.5	68	BDL	BDL	BDL	BDL	210000	.06	
09/22/97	722-97002	50	977.62	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
09/23/97	114-97112	1	7.85	BDL	9.1	BDL	4.9	54	BDL	BDL	BDL	2320	140000	BDL	
09/23/97	350-97002	1	56.41	BDL	23.0	BDL	6.85	29	BDL	BDL	BDL	362	212.80	BDL	
09/23/97	722-97002	50	1140.97	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
09/24/97	114-97112	1	31.10	BDL	9.1	BDL	4.9	54	BDL	BDL	BDL	2320	140000	BDL	
* 09/24/97	254-97007	1	12.14	BDL	108	12.7	42	2180	BDL	BDL	BDL	524	1676	BDL	
09/24/97	322-97003	3	27.72	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
09/24/97	322-97004	3	175.91	BDL	2.15	BDL	1.93	2.80	BDL	BDL	BDL	BDL	BDL	BDL	
09/24/97	722-97002	50	923.66	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
775.900(2)				9.2	3120	12.7	58.5	2180	.4	1.9	4.8				

* SEE ATTACHMENT "A"

Florida Department of Environmental Regulation
Twin Towers Office Bldg. 2600 Blair Stone Road Tallahassee, Florida 32399-2400

Month: SEPTEMBER Year: 1997

Soil Thermal Treatment Facility
Untreated Soil Reporting Form

DER Form #	17-775.900(2)
Form Title	Soil Thermal Treatment Facility Untreated Soil Reporting Form
Effective Date	
DER Application No	

Name of Facility: RINKER MATERIALS CORP.
Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility: ______

1	2	3	4	5								6	7	8	9
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results											
				Metals								Totals			Indicate Other Analyses Attach Lab Results Only
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	VOH	
09/25/97	114-97111	1	14.20	BDL	430	BDL	42	8.5	BDL	BDL	BDL	970	41000	.96	
09/25/97	722-97002	50	139.21	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
* 09/26/97	293-97025	1	26.82	18	7.8	1.2	7.7	44	20.4	<1.9	<44	BDL	1808	BDL	
09/26/97	613-97010	1	153.33	0.582	7.50	0.207	6.073	26.11	<0.001	0.287	0.062	BDL	90.06	BDL	
09/26/97	722-97002	50	653.91	0.36	8.236	.2702	4.448	16.5	<.002	.0772	<.119	2.84	<5.0	.004	
				18	430	1.2	42	44	20.4	1.9	.06				

* SEE ATTACHMENT "A"

Florida Department of Environmental Regulation
Soil Thermal Treatment Facility
Untreated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP
Air Permit No: A013-172154
Soil Treatment Permit No: SW-01117-91
Stationary:XXX or Mobile Facility:

ATTACHMENT "A"
Metals Blending Report

Month Sept. **Year** 1997

1	2	3	4	5									6	7	8
Day of Mo[redacted]	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results											
				Metals									Totals		Source
				AS	BA	CD	CR	PB	HG	SE	AG		VOA	RPH	
3-Sep	114-97103														
untreated	analysis			BDL	97	BDL	52	144	BDL	1.16	BDL		.....	.....	Blended 2 - 1
blending	soil			.....	.....	.....	BDL	BDL	.....	.....	.....				
blending	soil			.....	.....	.....	5.5	16	.....	.....	.....				
	293-97024														
9/3,9/4,9/5	9/16,														
untreated	analysis			4.9	20.72	3.44	18.9	494.6	<0.4	<1.9	<7.6		.....	.....	Blended 5 - 1
blending	soil			.....	.....	.....	.....	BDL	.....	.....	.....				
blending	soil.			.....	.....	.....	.....	25.5	.....	.....	.....				
[redacted]															
10-Sep	254-97006														
untreated	analysis			BDL	108	12.7	42	2180	BDL	BDL	BDL		.....	.....	Blended 20 - 1
blending	soil			.....	.....	.....	.....	BDL	.....	.....	.....				
blending	soil			.....	.....	.....	.....	39	.....	.....	.....				
11-Sep	363-97003			BDL	7.2	BDL	14	210	BDL	BDL	BDL		.....	.....	Blended 2 - 1
untreated	analysis			.....	.....	.....	.....	BDL	.....	.....	.....				
blending	soil			.....	.....	.....	.....	38	.....	.....	.....				
blending	soil														

Form: ATTACH_A

Florida Department of Environmental Regulation
Soil Thermal Treatment Facility
Untreated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP
Air Permit No: A013-172154
Soil Treatment Permit No: SW-01117-91
Stationary:XXX or Mobile Facility:

ATTACHMENT "A"
Metals Blending Report

Month Sept. **Year** 1997

1	2	3	4	5								6	7	8
Day of Mo	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results										
				Metals								Totals		Source
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	
18-Sep	140-97002													
untreated	analysis			3.4	33	2.3	17	120	BDL	BDL	BDL	.....	.....	Blended 1 - 1
blending	soil			.....	.....	.....	.....	BDL	.....	.....	.....			
blending	soil			.....	.....	.....	.....	40	.....	.....	.....			
18-Sep	140-97003													
untreated	analysis			3.4	33	2.3	17	120	BDL	BDL	BDL	.....	.....	Blended 1 - 1
blending	soil			.....	.....	.....	.....	BDL	.....	.....	.....			
blending	soil			.....	.....	.....	.....	41	.....	.....	.....			
22-Sep	127-97013													
untreated	analysis			2.6	76	2.8	58.5	68	BDL	BDL	BDL	.....	.....	Blended 1 - 1
blending	soil			.....	.....	.....	BDL	.....	.....	.....	.....			
blending	soil			.....	.....	.....	37	.....	.....	.....	.....			
24-Sep	254-97007													
untreated	analysis			BDL	108	12.7	42	2180	BDL	BDL	BDL	.....	.....	Blended 20 - 1
blending	soil			.....	.....	.....	.....	BDL	.....	.....	.....			
blending	soil			.....	.....	.....	.....	39	.....	.....	.....			

Form: ATTACH_A

Florida Department of Environmental Regulation
Soil Thermal Treatment Facility
Untreated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP
Air Permit No: A013-172154
Soil Treatment Permit No: SW-01117-91
Stationary:XXX or Mobile Facility:

ATTACHMENT "A"
Metals Blending Report

Month Sept. **Year** 1997

1	2	3	4	5								6	7	8
Day of Mo	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results										
				Metals								Totals		Source
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	
26-Sep	293-97025													
untreated	analysis			18	7.8	1.2	7.7	44	20.4	<1.9	<44	....	....	Blended 1 - 1
blending	soil			BDL	....	....	....	....	....	....	....			
blending	soil			0.2	....	....	....	....	....	....	....			
untreated	analysis													
blending	soil													
blending	soil													
untreated	analysis													
blending	soil													
blending	soil													
untreated	analysis													
blending	soil													
blending	soil													

RINKER Environmental Services, INC.

COMPQAP #950491
HRS #E86536

Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/10/97
SAMPLE SOURCE R.E.S.
REFERENCE # 363-97003
R.E.S. NUMBER 8188-8189
SAMPLE TYPE CONT. SOIL
DAP#536

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	287	BDL	38.0	mg/kg	7420	1	100	10/14/97	PEP

BLEND = 1 Contaminated With 3 CLEAN

BDL = Below detection limit

Jean R. Rinker

RINKER Environmental Services, INC.

COMPQAP #950491
HRS #E86536

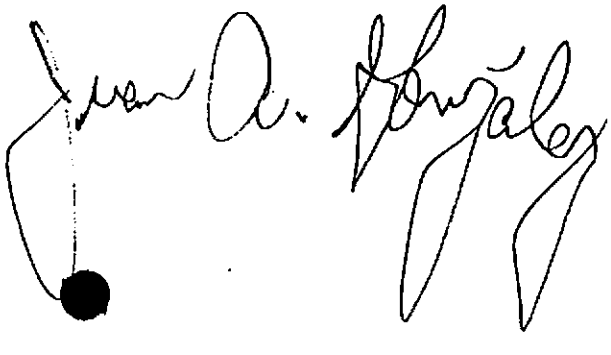
Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/10/97
SAMPLE SOURCE R.E.S.
REFERENCE # JOME
R.E.S. NUMBER 8190-8191
SAMPLE TYPE CONT. SOIL
Project 254-97006 & 254-97007

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	582	BDL	39	mg/kg	7420	1	100	10/14/97	PEP

BLEND = 1 Contaminated With 21 CLEAN

BDL = Below detection limit



RINKER Environmental Services, INC.

COMPQAP #950491

HRS #E86536

Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/22/97
SAMPLE SOURCE R.E.S.
REFERENCE # 127-97013
R.E.S. NUMBER 8194-8195
SAMPLE TYPE CONT. SOIL
VEN AMERICA

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
CHROMIUM	30.5	BDL	37.0	mg/kg	7190	1	50	10/14/97	PEP

****RESAMPLED

BLEND = 1 Contaminated With 1 CLEAN
BDL = Below detection limit

Juan A. Gonzalez

RINKER Environmental Services, INC.

COMPQAP #950491

HRS #E86536

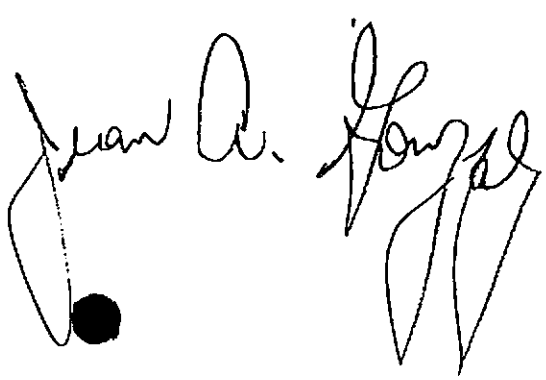
Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/18/97
SAMPLE SOURCE R.E.S.
REFERENCE # 140-97003
R.E.S. NUMBER 8196-8197
SAMPLE TYPE CONT. SOIL
FDOT Parcel L-17

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	103	BDL	41	mg/kg	7420	1	100	10/14/97	PEP

BLEND = 1 Contaminated With 1 CLEAN

BDL = Below detection limit



Blen9-97

RINKER Environmental Services, INC.

COMPQAP #950491
HRS #E86536

Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/18/97
SAMPLE SOURCE R.E.S.
REFERENCE # 140-97002
R.E.S. NUMBER 8198-8199
SAMPLE TYPE CONT. SOIL
FDOT NW 23 Street & 27 CT.

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	184	BDL	40.0	mg/kg	7420	1	100	10/14/97	PEP

****RESAMPLED

BLEND = 1 Contaminated With 1 CLEAN

BDL = Below detection limit

Blen9-97

RINKER Environmental Services, INC.

COMPQAP #950491
HRS #E86536

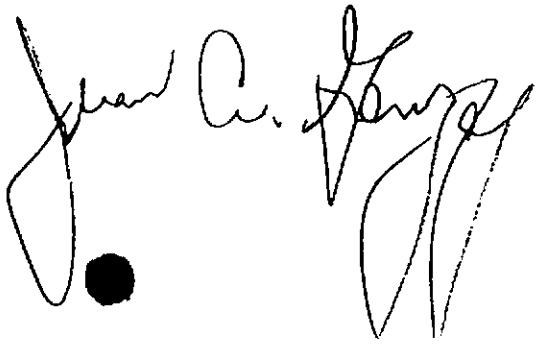
Material Analysis Report

REPORT DATE 10/14/97
SAMPLE DATE 9/26/97
SAMPLE SOURCE R.E.S.
REFERENCE # 293-97025
R.E.S. NUMBER 8206-8207
SAMPLE TYPE CONT. SOIL
FPL Greynolds Sub

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
ARSENIC	0.5	BDL	0.2	mg/kg	7061	1	10	10/14/97	PEP

BLEND = 1 Contaminated With 1 CLEAN

BDL = Below detection limit



Blen9-97

RINKER Environmental Services, INC.

COMPQAP #950491

HRS #E86536

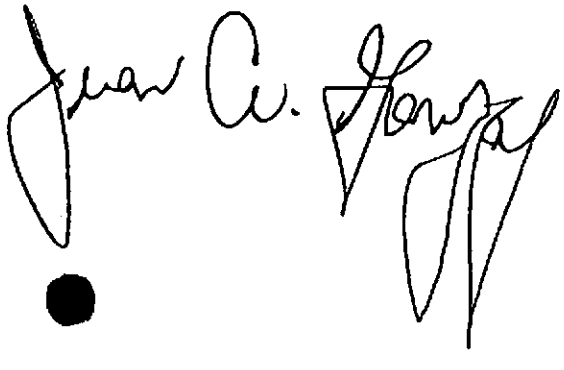
Material Analysis Report

SAMPLE DATE 9/3/97
SAMPLE SOURCE C.B.I. INC.
REFERENCE # FDOT ER #5
R.E.S. NUMBER 7968-7969
SAMPLE TYPE CONT. SOIL
Project #114-97103

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	115	BDL	16.0	mg/kg	7420	1	100	1/15/97	JSP
CHROMIUM	44.0	BDL	5.5	mg/kg	7190	1	50	10/15/97	JSP

BLEND = 1 Contaminated With 1 CLEAN

BDL = Below detection limit



RINKER Environmental Services, INC.

COMPQAP #950491

HRS #E86536

Material Analysis Report

SAMPLE DATE 9/5/97

SAMPLE SOURCE R.E.S.

REFERENCE # 293-97025

R.E.S. NUMBER 7966-7967

SAMPLE TYPE CONT. SOIL
FPL Deauville Sub

PARAMETER	RESULTS CONT.	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	LIMITS DET.	LIMITS REG.	ANALYSIS DATE	ANALYST INITIAL
LEAD	265.0	BDL	25.5	mg/kg	7420	1	100	10/15/97	JSP

BLEND = 1 Contaminated With 5 CLEAN

BDL = Below detection limit

Juan A. Gonzalez

Florida Department of Environmental Regulation
Soil Therm[illegible]reatment Facility
Untreated [illegible]porting Form

Name of Facility: RINKER MATERIALS CORP.
Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility: _____

Month: Sept. Year: 1997

RAW MATERIALS RECEIVED

1	2	3	4	5								6	7	8
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results										
				Metals								Totals		SOURCE
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	
Sept. 1, thru			Sept 30, 1997	NO ACTIVITY										

775.900(2)

Florida Department of Environmental Regulation
Soil Thermal Treatment Facility
Treated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP
Air Permit No: A013-172154
Soil Treatment Permit No: SW-01117-91
Stationary XXX or Mobile Facility:

Month _____ Year _____

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results								7 Analytical Results								8 Totals	9 Totals	10 Totals	11 Totals
					Total Metals								TCLP Metals											
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
8/18		42	168		2.6	349	BDL	44.9	3.1	BDL	.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
8/24					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					6.0	BDL	BDL	BDL					BDL	BDL										168

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results								7 Analytical Results								8 Totals	9 Totals	10 Totals	11 Totals
					Total Metals								TCLP Metals											
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
8/25		42	168		26	287	BDL	42	3.7	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	
9/1					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					5.4	BDL	BDL	BDL					BDL	BDL										ODL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results								7 Analytical Results								8 Totals	9 Totals	10 Totals	11 Totals
					Total Metals								TCLP Metals											
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
9/2		42	168		3.4	325	BDL	57.9	10.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/7					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					6.7	BDL	BDL	BDL					BDL	BDL										BDL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results								7 Analytical Results								8 Totals	9 Totals	10 Totals	11 Totals
					Total Metals								TCLP Metals											
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
[redacted]		42	168		1.9	287	BDL	54.5	4.7	BDL	BDL	.00	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/14					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					6.8	BDL	BDL	BDL					BDL	BDL										BDL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results								7 Analytical Results								8 Totals	9 Totals	10 Totals	11 Totals
					Total Metals								TCLP Metals											
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
9/15		42	168		2.0	184	BDL	60.3	5.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/21					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					6.1	BDL	BDL	BDL					BDL	BDL										BDL

Florida Department of Environmental Regulation
Soil Thermal Treatment Facility
Treated Soil Reporting Form

Name of Facility: RINKER MATERIALS CORP
Air Permit No: A013-172154
Soil Treatment Permit No: SW-01117-91
Stationary:XXX or Mobile Facility:

Month _____ Year _____

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results: Total Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	7 TCLP Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	8 Totals VOA	RPH	PAH	VOH
9/22		42	168		1.9	145	BDL	60.5	2.3	BDL	BDL	BDL	BDL	BDL	BDL	.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9/30					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					6.4	BDL	BDL	BDL					BDL	BDL										BDL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results: Total Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	7 TCLP Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	8 Totals VOA	RPH	PAH	VOH
10/1		42	168		2.7	157	58.9	BDL	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10/5					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					2.6	BDL	BDL	BDL					BDL	BDL										BDL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results: Total Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	7 TCLP Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	8 Totals VOA	RPH	PAH	VOH
10/6		42	168		1.5	147	BDL	60.3	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10/12					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					2.2	BDL	BDL	BDL					BDL	BDL										BDL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results: Total Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	7 TCLP Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	8 Totals VOA	RPH	PAH	VOH
10/13		42	168		2.5	119	.04	52.8	3.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10/19					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					2.1	BDL	BDL	BDL					BDL	BDL										BDL

1 Day of Month	2 Soil Batch ID#	3 Sample Number	4 Length of Run Hours	5 Amount Volume or Weight cy/tn	6 Analytical Results: Total Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	7 TCLP Metals As	Ba	Cd	Cr	Pb	Hg	Se	Ag	8 Totals VOA	RPH	PAH	VOH
10/19		42	168		3.8	79.9	.02	46.6	3.3	BDL	BDL	BDL	BDL	BDL	BDL	.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
10/26					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					3.1	BDL	BDL	BDL					BDL	BDL										BDL

DER Form 17-775.900(3)

Florida Department of Environmental Regulation
Soil Therm[illegible]atment Facility
Treated S[illegible]porting Form

Name of Facility: RINKER MATERIALS CORP
Air Permit No: A013-172154
Soil Treatment Permit No: SW-01117-91
Stationary: XXX or Mobile Facility:

Month ________ Year ________

1	2	3	4	5	6								7								8	9	10	11
Day of Month	Soil Batch ID#	Sample Number	Length of Run Hours	Amount Volume or Weight cy/tn	Analytical Results																			
					Total Metals								TCLP Metals								Totals			
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
10/26		42	168		3.0	101	.28	35.3	3.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
11/2					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
					2.7	BDL	BDL	BDL					BDL	BDL										BDL
1	2	3	4	5	6								7								8	9	10	11
D[illegible] of Month	Soil Batch ID#	Sample Number	Length of Run Hours	Amount Volume or Weight cy/tn	Analytical Results																			
					Total Metals								TCLP Metals								Totals			
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
1	2	3	4	5	6								7								8	9	10	11
Day of Month	Soil Batch ID#	Sample Number	Length of Run Hours	Amount Volume or Weight cy/tn	Analytical Results																			
					Total Metals								TCLP Metals								Totals			
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
1	2	3	4	5	6								7								8	9	10	11
Day of Mont[illegible]	Soil Batch ID#	Sample Number	Length of Run Hours	Amount Volume or Weight cy/tn	Analytical Results																			
					Total Metals								TCLP Metals								Totals			
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH
1	2	3	4	5	6								7								8	9	10	11
Day of Month	Soil Batch ID#	Sample Number	Length of Run Hours	Amount Volume or Weight cy/tn	Analytical Results																			
					Total Metals								TCLP Metals								Totals			
					As	Ba	Cd	Cr	Pb	Hg	Se	Ag	As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH	PAH	VOH
					Be	CN	Phenols	Dibenzo Furan					Be	Benzene										TOH

DER Form 17-775.900(3)