Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

DEC. 20 1996

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 Reports document routine inspections of your facility at 1200 NW 137th Avenue, Miami, FL, by the Department on June 26, 1996, October 28, 1996 and December 12, 1996. 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

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

Department of Environmental Protection

Lawton Chiles
Governor

Southeast District
P.O. Box 15425
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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** 6/26/96 **TIME** 10:30

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:**
WLM
William Lee Martin, 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), formerly Chapter 17-775, FAC. This facility operates a rotary kiln and utilizes the petroleum contaminated soil in the manufacture of cement.

BACKGROUND INFORMATION:

Rinker was issued a General Permit #SO13-195017 to operate a soil thermal treatment facility on April 17, 1991 which expired on April 4, 1996. The repermitting process is complete and a new General Permit #SO13-290034 was issued 2 days after this inspection. The Rinker facility was operating as an existing facility as defined in 62-775.200, FAC prior to the effective date of this rule. 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 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 solid waste permit. Rinker claims to accept no hazardous wastes as defined in 40 CFR Part 261.

Rinker has operated a materials substitution program for the last five years. 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 ° F. Operational problems with lowering of temperatures has suspended continuous burning; however, 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.

The afterburner system for the petroleum contaminated soils is in operation, the soils process through a preliminary kiln (stone dryer) and 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 new 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. The empty 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 new 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. As noted in previous inspections, no standing water was observed around the perimeter on the Northeast corner of the facility on this visit. An additional interior concrete curb sloping away from the Northeast front wall toward the interior of the facility had been installed. Previously standing water outside exhibited an algae growth, mosquito larvae, and a slight sheen but a water sample taken and analyzed in Rinker's lab indicated no volatiles were present. This will continue to be checked in the future. The four groundwater wells off the corners of the facility have flush mounted manhole lids. Those lids that could not be secured were checked and watertight, locked well caps were in place.

The electrical service to the facility has been upgraded allowing 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.

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 May 1996 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 TCLP analyses were provided which confirms soils were non-toxic 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. The reporting forms for untreated PCB contaminated soils were included with the other untreated soil forms and reviewed. 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 and low level PCB 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. SO 13-290034 Date of Inspection 6/26/96

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 5/1/96 end date 5/31/96
✓		11.	Are treated soil reporting forms being properly completed? starting date 4/15/96 end date 6/10/96

12. Indicate frequency clean soil criteria is being met?
    a. 75 % TRPH - 10 mg/kg, or
    b. 25 % 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 277500 mg/kg, median 693 mg/kg
    b. VOA BDL mg/kg to 40200 mg/kg, median 1 mg/kg
    c. Arsenic BDL mg/kg to 130 mg/kg
    d. Barium BDL mg/kg to 1900 mg/kg
    e. Cadmium BDL mg/kg to 31 mg/kg
    f. Chromium BDL mg/kg to 375 mg/kg
    g. Lead BDL mg/kg to 1155 mg/kg
    h. Mercury BDL mg/kg to 5.75 mg/kg
    i. Selenium BDL mg/kg to <40 mg/kg
    j. Silver BDL mg/kg to 20 mg/kg

14. Indicate ranges and approximate median values of treated soil analyses for the following parameters.
    a. TRPH BDL mg/kg to 26 mg/kg, median 8.25 mg/kg
    b. VOA BDL mg/kg to BDL mg/kg, median BDL mg/kg
    c. Arsenic 1.1 mg/kg to 3.1 mg/kg
    d. Barium 110 mg/kg to 190 mg/kg
    e. Cadmium BDL mg/kg to BDL mg/kg
    f. Chromium 25 mg/kg to 47 mg/kg
    g. Lead 4.6 mg/kg to 27 mg/kg
    h. Mercury BDL mg/kg to BDL mg/kg
    i. Selenium BDL mg/kg to BDL mg/kg
    j. Silver BDL mg/kg to BDL mg/kg
    k. _____ _____ mg/kg to _____ mg/kg
    i. _____ _____ mg/kg to _____ mg/kg

Comments: Previous OP had expired and new application received and approved. Continued to operate under conditions of previous permit.

William L. Martin
Signature

10/25/96
Date

Rinker Materials 6/96 Inspection May 1996 data						
VOA	TRPH					
1	43					
16000	19.7		*VOA*		*TRPH*	
40200	28.3					
15000	72000		Mean	2681.571	Mean	11561.27
1	3810		Standard Error	620.4515	Standard Error	3311.505
1	1558		Median	1	Median	693
1	1		Mode	1	Mode	1558
16299	626		Standard Deviation	7315.015	Standard Deviatio	39042.07
1	15.9		Sample Variance	53509442	Sample Variance	1.52E+09
31500	1558		Kurtosis	9.03278	Kurtosis	33.10516
1290	31000		Skewness	3.068099	Skewness	5.503946
1	8021		Range	40199	Range	277499
1	186		Minimum	1	Minimum	1
84.2	1558		Maximum	40200	Maximum	277500
1	200		Sum	372738.4	Sum	1607017
1064	200		Count	139	Count	139
1	277500		Confidence Level(95.000%)	1216.061	Confidence Level(	6490.421
16.01	71198					
15.4	23.6					
1	460					
1	1558					
1064	8222					
1	277500					
1	68168					
1	19343					
1	5					
1	7.1					
11.7	17					
1	52					
1	1558					
1	279					
11.7	88					
1	52					
1	1558					
1290	16900					
11.7	8021					
1	52					
1	1558					
1290	146					
11.7	8021					
11.7	52					
1	52					
1	1558					
1290	1					
105.2	8021					
11.7	140					
1.4	52					
2700	17					
1	12.6					

289	1558					
28117	3100					
1	5202					
1	3.9					
1	1					
105.2	140					
1	15000					
843	1028					
1	1558					
28117	5202					
1	1800					
1	209					
1	1					
105	140					
226	190000					
843	1028					
11.7	52					
1	1558					
1	1800					
88	2225					
1	6580					
1	55					
11.7	52					
1	1558					
20677	26862					
28117	5202					
3138	57657					
1	693					
1030	80000					
1	24					
12	28					
3500	350					
105	140					
1	35					
843	1028					
1	1558					
20677	26862					
1	693					
1	24					
1030	80000					
2430	34400					
1	69					
1	1558					
20677	26862					
134	37					
1	693					
1	1558					
1846	350					
18	25					
1	693					
26	34					

1	29800					
1	1558					
1	693					
4010	2300					
1	1558					
1	693					
1290	8021					
1	25					
1	1558					
11	610					
1	1					
1	1					
1	1558					
187	9100					
134	37					
1	693					
190	11800					
1	146					
2.7	487					
1	1558					
1	1					
134	37					
1	55					
1	70					
2.7	487					
1	16					
1	1558					
20677	26862					
14331	4465					
18280	660					
1290	8021					
1	1558					
1	693					
18280	660					
1	55					
1	1113					
1	146					
1290	8021					
260	39					

FPL
410-96001

PAGE 2 OF 3

FLORIDA POWER AND LIGHT
CENTRAL LABORATORY

6001A VILLAGE BLVD.
WEST PALM BEACH, FL 33407
(407)-640-2055

State of Florida Laboratory Certification Numbers:
Drinking Water Certification: E87275
Environmental Chemistry Certification: E86078

CompQAP: 920941

TOXICITY CHARACTERISTIC LEACHING PROCEDURE

SITE: PTF/PTF

SAMPLE DESCRIPTION: LABORATORY COMPOSITE OF SAMPLES OS-1 AND VTC* *

ANALYSIS PERFORMED FOR: GARY ANDERSEN - PTF/PTF

Date Sampled: 3/4/96*

Date Received: 3/6/96

TCLP Extracted By: [signature]

TCLP Extraction Date: 3/26/96

FIELD SAMPLE I.D.:

LOCATION:

FPL LAB SAMPLE I.D.:

PTF-96-E23 & PTF-96-E25

OS-1 & VTC BOTOM SLUDGES

T/R-3/6/96-05 & -06- COMPOSITE

REPORT OF EXTRACT ANALYSES

METALS	SW 846 METHOD	PTF-96-E23 & PTF-96-E25 OS-1 & VTC BOTOM SLUDGES T/R-3/6/96-05 & -06- COMPOSITE	RCRA REGULATORY LEVEL (mg/L)
SILVER	(6010)	N/A	5
ARSENIC	(6010)	<0.04	5
BARIUM	(6010)	N/A	100
CADMIUM	(6010)	<0.04	1
CHROMIUM	(6010)	<0.04	5
LEAD	(6010)	0.11	5
SELENIUM	(6010)	N/A	1
MERCURY	(7470)	N/A	0.2

METALS ANALYSIS BY: [signature]

DATE COMPLETED: 3/28/96

COMMENTS: *-SAMPLES OS-1 AND VTC WERE COMPOSITED AT A RATIO OF 5:1 PER GARY ANDERSEN'S INSTRUCTIONS ON 3/26/96. THE COMPOSITE SAMPLE WAS ANALYZED FOR ONLY THOSE METALS EXCEEDING THE FAC LIMITS IN THE UNCOMPOSITED SAMPLES.
*-INFORMATION FROM SAMPLE LABEL, NOT FOUND ON THE CHAIN OF CUSTODY.

NOTE: Regulatory level criteria may be different for activities other than RCRA Hazardous Waste determination.

COPIES TO: LORETTA CRANMER - ETS/LAB

QC REVIEWED BY: [signature]

CERTIFIED BY: [signature]

CERTIFIED: 4/3/96

TCLP/M030/PTF96E25.WB
E-PTF-1

Florida Depart[illegible]t of Environmental Regulation
Soil T[illegible] [illegible]eatment Facility
Treated [illegible] Reporting Form

Name of Facility: RINKER MATERIALS
Air Permit No.: ____
Soil Treatment Permit No.: ____
Stationary: X or Mobile Facility: ____

Month: ____ Year: 1996

1	2	3	4	5	6								7								8	9	10	11
Day of Mo.	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
4-15 4-21		42	168		1.8	120	BDL	40	27	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
4-21 4-28		42	168		2.0	130	BDL	47	24	BDL	BDL	BDL	BDL	.54	BDL	BDL	BDL	BDL	BDL	BDL	BDL	17	BDL	BDL
4-30 5-5		42	168		1.6	110	BDL	29	9.4	BDL	BDL	BDL	BDL	.42	BDL	BDL	BDL	BDL	BDL	BDL	BDL	26	BDL	BDL
5-6 5-12		42	168		2.4	160	BDL	25	4.6	BDL	BDL	BDL	BDL	.33	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
5-13 5-19		42	168		3.1	130	BDL	29	7.9	BDL	BDL	BDL	BDL	.96	BDL	BDL	BDL	BDL	BDL	BDL	BDL	[illegible]	BDL	BDL
5-20 5-26		42	168		1.8	190	BDL	28	7.3	BDL	BDL	BDL	BDL	2.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	5		
5-27 6-3		42	168		1.5	170	BDL	40	5.8	BDL	BDL	BDL	BDL	3.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
6-4 6-10					1.1	170	BDL	29	7.4	BDL	BDL	BDL	BDL	3.2	BDL	.12	BDL	BDL	BDL	BDL	BDL	5		
					3.1	190	BDL	41	27	BDL	BDL	BDL									BDL	26	BDL	BDL

See reverse side for instructions

Florida Department of Environmental Regulation
Soil Treatment Facility
Treated Reporting Form

Name of Facility: Rinker Materials Corp
Air Permit No.:
Soil Treatment Permit No.:
Stationary: X or Mobile Facility:

Month: Year:

1	2	3	4	5	6								7								8	9	10	11
Day of Mo.	Soil Batch ID#	Sample Number	Length of Run, Hours	Amount, Volume or Weight cy/tn	Analytical Results																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
11/27 12/3		42	168		3.1	230	BDL	56	7.5	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
12-3 12-10		42	168		1.5	190	BDL	45	11	BDL	BDL	BDL	BDL	1.8	BDL	.10	BDL	BDL	.13	BDL	BDL	BDL		
12-11 12-15		42	168		BDL	210	BDL	61	7.8	BDL	BDL	BDL	BDL	.89	BDL	BDL	BDL	BDL	BDL	BDL	BDL	50	30L	BDL
12-17 12-22		42	168		BDL	160	BDL	42	9.5	BDL	BDL	BDL	BDL	1.0	BDL	.14	BDL	BDL	.14	BDL	BDL	15	BDL	BDL
12-25 12-30		42	168		BDL	210	BDL	77	10.9	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15	BDL	BDL
1-1 1-5		42	168		BDL	270	BDL	87	8.9	BDL	BDL	BDL	BDL	.95	BDL	BDL	BDL	BDL	BDL	30L	BDL	BDL		
1-7 1-12		42	168		BDL	240	21	74	31	BDL	BDL	BDL	BDL	5.1	BDL	.2	BDL	BDL	BDL	BDL	BDL	2.5		
1-15 1-19		42	168		3.8	92	BDL	60	19	BDL	BDL	BDL	BDL	.61	BDL	BDL	BDL	BDL	BDL	BDL	BDL	15	BDL	BDL
1-21 1-28		42	168		BDL	180	BDL	51	11	BDL	BDL	BDL	BDL	.62	BDL	.15	BDL	BDL	BDL	BDL	BDL	BDL		
1-29 2-4		42	168		1.2	150	2.6	44	8.2	BDL	BDL	BDL	BDL	1.2	BDL	.15	BDL	BDL	BDL	BDL	BDL	15	BDL	BDL
2-5 2-9		42	168		BDL	210	BDL	71	9.4	BDL	BDL	BDL	BDL	1.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
2-12 2-18		42	168		1.1	170	BDL	46	6.8	BDL	BDL	BDL	BDL	1.4	BDL	BDL	BDL	BDL	BDL	BDL	BDL	20	BDL	BDL
2-19 2-25		42	168		1.1	190	BDL	28	8.2	BDL	BDL	BDL	BDL	2.5	BDL	BDL	BDL	BDL	.11	BDL	BDL	20	BDL	BDL
2-26 3-1		42	168		BDL	180	BDL	63	7.7	BDL	BDL	BDL	BDL	2.5	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		
3-4 3-10		42	168		1.8	180	BDL	52	12	BDL	BDL	BDL	BDL	.98	BDL	.12	BDL	BDL	BDL	BDL	BDL	BDL		
3-11 3-17		42	168		1.1	140	BDL	36	7.6	BDL	BDL	BDL	BDL	BDL	2.1	BDL	BDL	BDL	BDL	BDL	BDL	2.5	BDL	BDL
3-18 3-24		42	168		1.5	190	BDL	56	5.2	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	3.0		
3-25 3-31		42	168		BDL	210	BDL	22	BDL	BDL	BDL	BDL	BDL	1.3	BDL	.11	BDL	BDL	BDL	BDL	BDL	BDL		
4-1 4-7		42	168		BDL	170	BDL	43	5.4	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	BDL	BDL	BDL	10	BDL	BDL
4-8 4-14		42	168		BDL	180	BDL	23	5.4	BDL	BDL	BDL	BDL	1.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL		

See reverse side for instructions

DER Form 17-775.900(3)

Florida Department of Environmental Regulation

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

Month: MAY Year: 1996

Soil Thermal Treatment Facility
Untreated Soil Reporting Form

DER Form # 17-775.900(2)
Soil Thermal Treatment Facility
Form Title 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
Stationar 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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	VOH	Indicate Other Analyses Attach Lab Results Only
	05/01/96	114-96051	1	0.34	1.7	82	BDL	5.7	17	11	BDL	BDL	BDL	43	BDL	
*	05/01/96	114-96052	1	1.36	BDL	178	6.5	96.4	90.5	BDL	BDL	BDL	16000	19.71	BDL	
	05/01/96	114-96054	1	0.13	BDL	36.0	BDL	28.0	14.0	BDL	BDL	BDL	40200	28.37	BDL	
	05/01/96	114-96055	1	0.47	BDL	51	BDL	42	41	BDL	BDL	BDL	15000.	72000	BDL	
	05/01/96	114-96056	1	0.49	BDL	1.85	BDL	BDL	5.66	BDL	BDL	BDL	BDL	3810	BDL	
	05/01/96	302-96008	9	321.96	<5.93	<1.67	<5.93	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
	05/01/96	423-96006	1	13.32	0.660	BDL	0.856	5.96	10.8	BDL	BDL	BDL	BDL	BDL	BDL	
*	05/01/96	514-96015	3	225.15	7.01	19.06	2.8	72.6	84.33	BDL	BDL	BDL	BDL	626	BDL	
	05/01/96	579-96002	1	102.33	BDL	.614	BDL	BDL	BDL	BDL	BDL	BDL	16299.	15.95	BDL	
	05/02/96	302-96008	9	588.58	<5.93	<1.67	<5.93	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
	05/02/96	344-96013	1	3.20	BDL	12	2.6	11	29	BDL	BDL	0.44	31500.	31000	0.92	
	05/02/96	554-96001	5	107.32	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL	
	05/03/96	269-96002	1	87.78	<0.23	<4.66	<2.33	<2.33	53.6	<0.12	<0.23	<2.33	BDL	186	BDL	
	05/03/96	302-96008	9	575.80	<5.93	<1.67	<5.93	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
	05/03/96	357-96001	1	15.76	1.2	11.6	1.4	10.4	13.0	<.002	<.233	1.1	84.2	<200	BDL	
	05/03/96	357-96002	1	24.23	3.7	1.6	0.87	2.1	9.2	.156	<.233	0.21	BDL	<200	BDL	
	05/03/96	410-96001	1	6.50	107.5	1110	31.0	375.0	1155.0	BDL	2.05	BDL	1064.	277500	BDL	
	05/03/96	435-95006	1	29.67	2.2	244	BDL	104	16	0.2	BDL	BDL	BDL	71198	BDL	
	05/03/96	613-96008	3	514.15	0.41	3.74	.04	2.98	3.56	BDL	0.30	0.11	16.01	23.63	.008	
	05/06/96	302-96007	1	0.25	<10	<20	<2.0	6.1	24	<0.25	<10	<2.0	15.40	460	BDL	
	05/06/96	302-96009	9	406.82	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
	05/06/96	363-96003	1	18.06	BDL	22.9	BDL	4.8	21.9	BDL	BDL	BDL	BDL	8222.0	BDL	
*	05/06/96	410-96001	1	7.66	107.5	1110	31.0	375.0	1155.0	BDL	2.05	BDL	1064.	277500	BDL	
	05/06/96	438-96001	1	0.50	0.71	30.3	2.5	4.7	82.2	<0.1	<0.1	9	BDL	68168	BDL	
	05/06/96	438-96002	1	3.41	8.1	99.1	2.4	31.8	0.92	<0.1	<0.1	<0.2	BDL	19343	BDL	
	05/06/96	468-96003	1	0.00	<10	<20	<2.0	3.0	<7	<0.25	<10	<2.0	BDL	<5.0	BDL	
	05/06/96	553-96013	3	54.85	BDL	1.4	BDL	2.0	4.97	BDL	BDL	BDL	BDL	7.10	BDL	
	775.900(2)				107.5	1110	31	375	1155	.2	2.05	9	40200	277500		

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VOA = PPB
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Florida Department of Environmental Regulation

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

Month: MAY Year: 1996

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
Stationar 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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	VOH	Indicate Other Analyses Attach Lab Results Only
05/06/96	638-96001	1	0.70	BDL	1.66	BDL	2.51	1.61	BDL	BDL	BDL	BDL	17.0	BDL	
* 05/07/96	293-96012	7	295.73	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	11.75	52.	BDL	
05/07/96	302-96009	9	141.75	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
* 05/07/96	481-96003	3	44.61	BDL	31.90	3.42	115.30	1001.33	0.70	BDL	BDL	BDL	279.77	BDL	
05/08/96	293-96010	1	38.96	BDL	BDL	BDL	13	BDL	BDL	BDL	BDL	BDL	88	BDL	
* 05/08/96	293-96012	7	297.40	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	11.75	52.	BDL	
05/08/96	302-96009	9	245.88	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
05/08/96	441-96003	1	17.51	BDL	BDL	BDL	BDL	25	0.15	BDL	BDL	BDL	16900	BDL	
05/08/96	554-96001	5	249.95	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL	
* 05/09/96	293-96013	7	617.46	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	11.75	52.	BDL	
05/09/96	302-96009	9	657.68	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
05/09/96	391-96007	3	199.80	BDL	4.10	BDL	6.37	3.17	BDL	BDL	BDL	BDL	146.33	BDL	
05/09/96	554-96001	5	95.49	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL	
* 05/10/96	293-96013	7	375.11	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	11.75	52.	BDL	
* 05/10/96	293-96014	7	427.24	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	11.75	52.	BDL	
05/10/96	302-96009	9	700.92	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
05/10/96	514-96020	1	75.38	BDL	3.95	BDL	3.12	7.77	BDL	BDL	BDL	BDL	BDL	BDL	
05/10/96	554-96001	5	95.41	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL	
05/10/96	613-96007	5	580.43	0.17	5.70	0.40	5.31	8.56	.119	<0.002	<0.05	105.20	140.67	.00018	
* 05/13/96	293-96014	7	234.21	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	11.75	52.	BDL	
05/13/96	297-96008	1	0.25	0.251	2.19	<.0500	2.34	1.84	0.183	<.0020	0.0593	1.47	17.8	BDL	
05/13/96	297-96009	3	0.40	BDL	3.77	0.42	2.67	3.84	0.005	BDL	BDL	2700.	12.6	0.021	
05/13/96	302-96010	9	739.11	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
05/13/96	310-96010	1	1.50	<10	<20	<2.0	<3.0	<7.0	<1.0	<10	<2.0	289	3100	.023	
05/13/96	344-96017	6	19.97	BDL	1.0	BDL	1.54	2.56	BDL	BDL	BDL	28117	5202.8	BDL	
05/13/96	391-96008	2	1.00	BDL	2.75	BDL	5.40	2.0	BDL	BDL	BDL	BDL	3.93	BDL	
05/13/96	514-96020	1	42.84	BDL	3.95	BDL	3.12	7.77	BDL	BDL	BDL	BDL	BDL	BDL	
	775.900(2)			22.16	31.9	3.42	115.3	1001.	.7	<40	<8	28117	16900		

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Florida Department of Environmental Regulation

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

Month: MAY Year: 1996

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
Stationar 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 AS	BA	CD	CR	PB	HG	SE	AG		Totals VOA	RPH	VOH	Indicate Other Analyses Attach Lab Results Only
05/13/96	613-96007	5	236.65	0.17	5.70	0.40	5.31	8.56	.119	<0.002	<0.05		105.20	140.67	.00018	
05/13/96	640-96001	1	0.40	BDL	2.2	BDL	1.6	1.1	0.14	BDL	BDL		BDL	15000	BDL	
* 05/14/96	292-96003	1	32.16	BDL	15	BDL	4	120	0.07	BDL	BDL		843.	1028	BDL	
05/14/96	302-96010	9	812.88	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0		BDL	1558	BDL	
05/14/96	344-96017	6	14.08	BDL	1.0	BDL	1.54	2.56	BDL	BDL	BDL		28117	5202.8	BDL	
* 05/14/96	360-96002	1	28.73	23	13.	<0.50	4.6	11	.034	0.50	<1.0		BDL	1800	BDL	
* 05/14/96	423-96007	1	133.42	12.2	163	3.12	21.0	519	5.75	BDL	5.26		BDL	209	.0044	
05/14/96	514-96020	1	33.15	BDL	3.95	BDL	3.12	7.77	BDL	BDL	BDL		BDL	BDL	BDL	
05/14/96	613-96007	5	48.51	0.17	5.70	0.40	5.31	8.56	.119	<0.002	<0.05		105.20	140.67	.00018	
* 05/15/96	248-96007	3	25.56	130	700	BDL	66	310	<23	BDL	<28		226	190000	BDL	
* 05/15/96	292-96003	1	33.66	BDL	15	BDL	4	120	0.07	BDL	BDL		843.	1028	BDL	
* 05/15/96	293-96014	7	146.49	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0		11.75	52.	BDL	
05/15/96	302-96010	9	48.05	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0		BDL	1558	BDL	
* 05/15/96	360-96002	1	12.35	23	13.	<0.50	4.6	11	.034	0.50	<1.0		BDL	1800	BDL	
* 05/15/96	419-96003	1	23.82	3.3	110	2	26	240	0.08	BDL	BDL		88	2225	.123	
05/15/96	475-96003	1	9.08	<.0020	4.33	0.138	2.65	35.0	<.0010	<.0020	<.0500		BDL	6580	BDL	
05/15/96	514-96019	1	67.41	1.3	9.7	2.1	19.0	69.0	BDL	BDL	BDL		BDL	55	BDL	
05/16/96	293-96014	7	247.22	22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0		11.75	52.	BDL	
05/16/96	302-96010	9	547.45	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0		BDL	1558	BDL	
* 05/16/96	344-96016	7	456.85	6.31	13.43	BDL	5.71	198.04	0.08	BDL	1.71		20677.	26862	BDL	
05/16/96	344-96017	6	10.66	BDL	1.0	BDL	1.54	2.56	BDL	BDL	BDL		28117	5202.8	BDL	
05/16/96	365-96004	1	2.03	<0.196	3.43	0.058	0.377	6.19	0.069	<0.233	<0.119		3138.30	57657	BDL	
05/16/96	419-96005	3	141.47	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL		BDL	693	BDL	
05/16/96	426-96003	1	109.30	BDL	58	BDL	BDL	5.8	BDL	BDL	BDL		1030.	80000	BDL	
05/16/96	467-96003	1	0.52	1.1	2.4	BDL	15	29	BDL	BDL	BDL		BDL	24	BDL	
05/16/96	467-96004	1	0.26	BDL	4	BDL	2	BDL	BDL	BDL	BDL		12	28	.006	
05/16/96	561-96002	1	3.25	BDL	5.1	BDL	BDL	1.7	BDL	BDL	20		3500	350	BDL	
775.900(2)				130	760	3.1	66	310	5.75	240	20		28117	190000		

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Florida Department of Environmental Regulation

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

Month: MAY Year: 1996

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
Stationar 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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	VOH	Indicate Other Analyses Attach Lab Results Only
05/16/96	613-96007	5	116.82	0.17	5.70	0.40	5.31	8.56	.119	<0.002	<0.05	105.20	140.67	.00018	
05/16/96	639-96001	3	189.50	BDL	5.83	BDL	0.97	12.2	BDL	BDL	BDL	BDL	35	BDL	
* 05/17/96	292-96003	1	32.64	BDL	15	BDL	4	120	0.07	BDL	BDL	843.	1028	BDL	
05/17/96	302-96010	9	519.44	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
* 05/17/96	344-96016	7	627.94	6.31	13.43	BDL	5.71	198.04	0.08	BDL	1.71	20677.	26862	BDL	
05/17/96	419-96005	3	51.85	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL	
05/17/96	423-96009	1	2.36	BDL	1.1	BDL	BDL	BDL	BDL	BDL	BDL	BDL	24	BDL	
05/17/96	426-96003	1	32.46	BDL	58	BDL	BDL	5.8	BDL	BDL	BDL	1030.	80000	BDL	
* 05/20/96	114-96059	1	3.68	BDL	1900	7.8	41	280	BDL	BDL	BDL	2430	34400	BDL	
05/20/96	114-96060	1	2.01	BDL	12.3	BDL	11.1	6.6	BDL	BDL	BDL	BDL	69.3	BDL	
05/20/96	302-96012	9	396.13	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
* 05/20/96	344-96016	7	296.20	6.31	13.43	BDL	5.71	198.04	0.08	BDL	1.71	20677.	26862	BDL	
05/20/96	370-96001	1	20.99	<0.27	24.1	<2.68	13.4	61.5	<0.13	.040	<1.34	134.33	37.0	BDL	
05/20/96	419-96005	3	68.41	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL	
05/21/96	302-96012	9	399.37	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
* 05/21/96	344-96014	1	20.44	3.0	19	BDL	18	110	BDL	BDL	BDL	1846	350	BDL	
05/21/96	365-96003	1	21.71	.28	2.67	.17	1.73	2.02	BDL	BDL	.37	18.8	<25	0.009	
05/21/96	419-96005	3	24.09	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL	
05/21/96	423-96010	1	0.93	<10	4.4	<0.50	4.7	<5.0	<0.030	<10	<1.0	26	34	BDL	
05/21/96	429-96004	1	9.41	BDL	BDL	BDL	7.6	22	0.89	BDL	BDL	BDL	29800	BDL	
05/22/96	302-96012	9	423.18	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
05/22/96	419-96005	3	69.50	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL	
05/22/96	423-96011	1	5.99	<10	9.9	<0.50	4.2	<5.0	<0.030	<10	<1.0	4010	2300	BDL	
05/23/96	302-96012	9	558.83	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL	
05/23/96	419-96005	3	78.70	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL	
05/23/96	554-96003	5	66.60	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL	
05/24/96	302-96011	1	33.10	1.9	11.0	BDL	6.0	6.7	BDL	BDL	BDL	BDL	25	BDL	
	775.900(2)			6.3	1900	7.8	33	198	.89	<40	1.7	20677	80000		

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Florida Department of Environmental Regulation

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

Month: MAY Year: 1996

Soil Thermal Treatment Facility
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Air Permit No.: A013-172154
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DER Form # 17-775.900(2)
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1 Day of Mo.	2 Soil Batch ID#	3 Sample Number	4 Amount Volume or Weight cy/tn	5 Analytical Results: Metals AS	BA	CD	CR	PB	HG	SE	AG	6 Totals VOA	RPH	7 VOH	8 Indicate Other Analyses Attach Lab Results Only	9
05/24/96	302-96012	9	324.85	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL		
05/24/96	423-96012	1	39.78	BDL	3.7	BDL	5.6	BDL	0.16	BDL	BDL	11	610	BDL		
05/28/96	140-96007	1	69.38	0.0104	7.79	0.213	4.28	17.4	0.289	<.0020	<.0500	BDL	BDL	BDL		
05/28/96	297-96010	1	10.46	BDL	1.70	BDL	5.17	2.04	BDL	BDL	BDL	BDL	BDL	BDL		
05/28/96	302-96013	9	191.67	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL		
05/28/96	302-96014	1	1.00	<10	<20	<2.0	<3.0	7.2	<0.25	<10	<2.0	187.40	9100	BDL		
05/28/96	370-96001	1	19.25	<0.27	24.1	<2.68	13.4	61.5	<0.13	.040	<1.34	134.33	37.0	BDL		
05/28/96	419-96005	3	59.37	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL		
05/28/96	454-96002	1	2.00	<0.6	11	<0.6	2.1	7	<0.02	<0.6	<0.6	190.	11800	BDL		
05/28/96	553-96015	3	57.98	BDL	2.30	BDL	1.83	BDL	BDL	BDL	BDL	BDL	146.73	BDL		
05/29/96	203-96030	5	794.70	0.12	3.71	0.24	4.39	0.38	0.19	<.0020	0.19	2.78	487	BDL		
05/29/96	302-96013	9	169.39	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL		
05/29/96	342-96010	1	13.31	BDL	7.3	BDL	2.5	1.4	BDL	BDL	BDL	BDL	BDL	BDL		
05/29/96	370-96001	1	44.22	<0.27	24.1	<2.68	13.4	61.5	<0.13	.040	<1.34	134.33	37.0	BDL		
05/29/96	514-96022	1	81.42	1.3	9.7	2.1	19.0	69.0	BDL	BDL	BDL	BDL	55	BDL		
05/30/96	180-96002	1	1.40	BDL	20.0	BDL	BDL	21.2	BDL	BDL	BDL	BDL	70	BDL		
05/30/96	203-96030	5	201.96	0.12	3.71	0.24	4.39	0.38	0.19	<.0020	0.19	2.78	487	BDL		
05/30/96	217-96003	1	21.80	BDL	4.7	BDL	7.8	10	BDL	BDL	BDL	BDL	16	BDL		
05/30/96	302-96013	9	94.68	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL		
* 05/30/96	344-96018	7	73.99	6.31	13.43	BDL	5.71	198.04	0.08	BDL	1.71	20677.	26862	BDL		
05/30/96	387-96011	1	19.61	BDL	28	BDL	5	24	BDL	BDL	BDL	14331.	4465	.505		
05/30/96	514-96023	5	612.93	BDL	2.70	BDL	2.03	0.80	BDL	BDL	BDL	18280.	660.69	BDL		
05/30/96	554-96003	5	106.28	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL		
05/31/96	302-96013	9	156.45	<5.93	<1.67	<2.0	3.67	19.00	<0.17	<40	<2.0	BDL	1558	BDL		
05/31/96	419-96005	3	180.96	BDL	18.0	1.0	33.0	47.0	0.14	BDL	BDL	BDL	693	BDL		
05/31/96	514-96023	5	168.25	BDL	2.70	BDL	2.03	0.80	BDL	BDL	BDL	18280.	660.69	BDL		
05/31/96	514-96024	1	15.96	1.3	9.7	2.1	19.0	69.0	BDL	BDL	BDL	BDL	55	BDL		
775.900(2)				6.3	28	2.1	33	198	.28	240	1.7	20677	26882			

* SEE ATTACHMENT "A"

VOA = PPB
RPH = PPM
VOH = PPM

Florida Department of Environmental Regulation

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

Month: MAY Year: 1996

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
Stationar 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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	VOH	Indicate Other Analyses Attach Lab Results Only
* 05/31/96	553-96014	1	5.65	BDL	50.4	1.90	BDL	111	0.105	BDL	BDL	BDL	1113.0	BDL	
05/31/96	553-96015	3	73.21	BDL	2.30	BDL	1.83	BDL	BDL	BDL	BDL	BDL	146.73	BDL	
05/31/96	554-96003	5	270.27	BDL	8.70	BDL	BDL	22.8	BDL	BDL	BDL	1290.	8021	BDL	
05/31/96	645-96001	1	126.44	BDL	2.2	BDL	45	10.5	BDL	BDL	BDL	260.	39	BDL	
				BDL	50	1.9	45	111	.1	BDL	BDL	1290	8021		

* SEE ATTACHMENT "A"

VOA = PPB
RPH = PPM
VOH = PPM

Florida Department of E. ɔnmental 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'

Month May Year 1996

Metals Blending Report

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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	Source
5/1/96	114-96052													
Untreated	analysis			BDL	178	6.5	96.4	90.5	BDL	BDL	BDL	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	BDL	----------	----------	----------	----------			
Blended	Soil			----------	----------	----------	BDL	----------	----------	----------	----------			
5/1/96	514-96015													
Untreated	Analysis			7.01	19.06	2.8	72.6	84.33	BDL	BDL	BDL	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	BDL	----------	----------	----------	----------			
Blended	Soil			----------	----------	----------	BDL	----------	----------	----------	----------			
5/3	435-95006													
Untreated	Analysis			2.2	244	BDL	104	16	0.2	BDL	BDL	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	BDL	----------	----------	----------	----------			
Blended	Soil			----------	----------	----------	BDL	----------	----------	----------	----------			
5/3-5/6/96	410-96001													
Untreated	Analysis			107.5	1110.	31.0	375.0	1155.0	BDL	2.05	BDL	----------	----------	BLended 11-1
Blending	Soil			BDL	----------	----------	BDL	BDL	----------	----------	----------			
Blended	Soil			BDL	----------	----------	15	58	----------	----------	----------			

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"

Month May Year 1996

Metals Blending Report

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	
5/7,[redacted]/96	293-96012													
	293-96013	293-96014												
Untreated	Analysis			22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	----------	----------	Blended 2-1
Blending	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
5/9/96	481-96003													
Untreated	Analysis			BDL	31.90	3.42	115.30	1001.33	0.7	BDL	BDL	----------	----------	Blended 11-1
Blending	Soil			----------	----------	----------	BDL	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	23	56	----------	----------	----------			
5/9,5/10/96	293-96013													
Un[redacted]ted	Analysis			22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	----------	----------	Blended 2-1
Blending	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
5/10,13,15	293-96014													
Untreated	Analysis			22.16	8.52	<14.94	16.73	107.17	<0.03	<4.0	<8.0	----------	----------	Blended 2-1
Blending	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
5/14,15,17	292-96003													
Untreated	Analysis			BDL	15	BDL	4	120	0.07	BDL	BDL	----------	----------	Blended 1-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	103	----------	----------	----------			

Florida Department of E onmental 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'

Month May Year 1996

Metals Blending Report

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	
5/14,15,17	292-96003													
untreated	analysis			BDL	15	BDL	4	120	0.07	BDL	BDL	----------	----------	Blended 1-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	103	----------	----------	----------			
5/14,15	360-96002													
untreated	analysis			23	13.	<0.50	4.6	11	0.034	0.5	<1.0	----------	----------	Blended 2-1
Blending	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
5/14/96	423-96007													
untreated	analysis			12.2	163	3.12	21	519	5.75	BDL	5.26	----------	----------	Blended 5-1
Blending	Soil			BDL	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	23	----------	----------	----------			
5/15/96	248-96007													
untreated	analysis			130	700	BDL	66	310	<23	BDL	<28	----------	----------	Blended 13-1
Blending	Soil			BDL	----------	----------	BDL	BDL	----------	----------	----------			
Blended	Soil			BDL	----------	----------	BDL	12	----------	----------	----------			

Florida Department of E onmental 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'

Month May Year 1996

Metals Blending Report

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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	Source
5/15/96	419-96003													
untreated	analysis			3.3	110	2	26	240	0.08	BDL	BDL	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	85	----------	----------	----------			
5/14,5/15	360-96002													
Untreated	Analysis			23	13.	<0.50	4.6	11	0.034	0.50	<1.0	----------	----------	Blended 2-1
Blending	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	----------	----------	----------	----------			
5/14/96	423-96007													
Untreated	Analysis			12.2	163	3.12	21.0	519	5.75	BDL	5.26	----------	----------	Blended 5-1
Ble ng	Soil			BDL	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			BDL	----------	----------	----------	23	----------	----------	----------			
5/15/96	248-96007													
Untreated	Analysis			130	700	BDL	66	310	<23	BDL	<28	----------	----------	Blended 13-1
Blending	Soil			BDL	----------	----------	BDL	BDL	----------	----------	----------			
Blended	Soil			BDL	----------	----------	BDL	12	----------	----------	----------			

Florida Department of E. nmental 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'

Month May Year 1996

Metals Blending Report

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 AS	BA	CD	CR	PB	HG	SE	AG	Totals VOA	RPH	Source
5/21/96	344-96014													
untreated	analysis			3.0	19	BDL	18	110	BDL	BDL	BDL	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	82	----------	----------	----------			
5/16,17,20	344-96016													
untreated	analysis			6.31	13.43	BDL	5.71	198.04	0.08	BDL	1.71	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	49	----------	----------	----------			
5/20/96	114-96059													
untreated	analysis			BDL	1900	7.8	41	280	BDL	BDL	BDL	----------	----------	Blended 3-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	57	----------	----------	----------			
5/3[illegible]	344-96018													
untreated	analysis			6.31	13.43	BDL	5.71	198.04	0.08	BDL	1.71	----------	----------	Blended 2-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	49	----------	----------	----------			
5/31/96	553-96014													
Untreated	Analysis			BDL	50.4	1.90	BDL	111	0.105	BDL	BDL	----------	----------	Blended 1-1
Blending	Soil			----------	----------	----------	----------	BDL	----------	----------	----------			
Blended	Soil			----------	----------	----------	----------	32	----------	----------	----------			

R[redacted]ER MATERIALS SUBSTITUTIO[redacted]

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/1/96
SAMPLE SOURCE	CSX & DUDA FARM
REFERENCE #	114-96052
R.E.S. NUMBER	2057 - 2058
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
CHROMIUM	BDL	BDL	BDL	mg/kg	7190	10
CHROMIUM	BDL	BDL	BDL	mg/kg	7190	10

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit

BLEN5-14.XLS

RINKER MATERIALS SUBSTITUTION

REPORT DATE	5/14/96
SAMPLE DATE	4/25/96
SAMPLE SOURCE	H.A.F.B.
REFERENCE #	514-96015 (046)
R.E.S. NUMBER	1742 - 1743
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
CHROMIUM	71	BDL	BDL	mg/kg	7190	10

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit

R[redacted]KER MATERIALS SUBSTITUTIO[redacted]

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/3/96
SAMPLE SOURCE	STAMILE TRUCKS
REFERENCE #	435-95006
R.E.S. NUMBER	2059 - 2060
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
CHROMIUM	BDL	BDL	BDL	mg/kg	7190	10
CHROMIUM	BDL	BDL	BDL	mg/kg	7190	10

BLEND = 1 Contaminated With 3 CLEAN

BDL = Below detection limit

BLEN5-14.XLS

RINKER MATERIALS SUBSTITUTION

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/3/96
SAMPLE SOURCE	FPL TURKEY POINT
REFERENCE #	410-96001
R.E.S. NUMBER	2061 - 2062
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	28	BDL	BDL	mg/kg	7061	1
LEAD	409	BDL	58	mg/kg	7420	10
CHROMIUM	89	BDL	15	mg/kg	7190	10

BLEND = 1 Contaminated With 11 CLEAN

BDL = Below detection limit

BLEN5-14.XLS

RINKER MATERIALS SUBSTITUTION

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/7/96
SAMPLE SOURCE	FPL WESTSIDE
REFERENCE #	293-96012
R.E.S. NUMBER	2134 - 2135
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit

BLEN5-20.XLS

RINKER MATERIALS SUBSTITUTION

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/7/96
SAMPLE SOURCE	HESS NAPLES
REFERENCE #	481-96003
R.E.S. NUMBER	2063 - 2064
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
CHROMIUM	BDL	BDL	23	mg/kg	7190	10
LEAD	BDL	BDL	56	mg/kg	7420	10

BLEND = 1 Contaminated With 11 CLEAN

BDL = Below detection limit

BLEN5-14.XLS

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/7/96
SAMPLE SOURCE	FPL WESTSIDE
REFERENCE #	293-96013
R.E.S. NUMBER	2134 - 2135
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit

BLEN5-20.XLS

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/7/96
SAMPLE SOURCE	FPL WESTSIDE
REFERENCE #	293-96014
R.E.S. NUMBER	2134 - 2135
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit

RINKER MATERIALS SUBSTITUTION

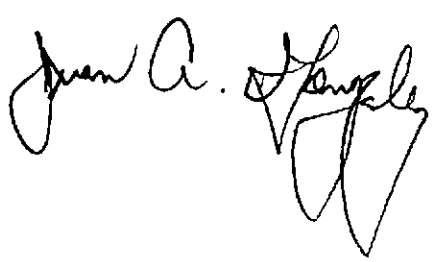
Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/14/96
SAMPLE SOURCE	MOLINA GARBAGE
REFERENCE #	292-96003
R.E.S. NUMBER	2126 - 2127
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	43	BDL	103	mg/kg	7420	10

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit



RINKER MATERIALS SUBSTITUTION

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/14/96
SAMPLE SOURCE	U.S. SUGAR
REFERENCE #	360-96002
R.E.S. NUMBER	2065 - 2066
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1

BLEND = 1 Contaminated With 2 CLEAN

BDL = Below detection limit

BLEN5-14.XLS

RINKER MATERIALS SUBSTITUTION

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/14/96
SAMPLE SOURCE	L.C. EVANS
REFERENCE #	423-96007
R.E.S. NUMBER	2130 - 2131
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1
LEAD	1080	BDL	132	mg/kg	7420	10

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	1080	BDL	*23	mg/kg	7420	10
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1

BLEND = 1 Contaminated With 5 CLEAN

BDL = Below detection limit

*** RESAMPLE**

RINKER MATERIALS SUBSTITUTION

REPORT DATE	6/10/96
SAMPLE DATE	5/15/96
SAMPLE SOURCE	FPL
REFERENCE #	248-96007
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
ARSENIC	BDL	BDL	BDL	mg/kg	7061	1
LEAD	38	BDL	12	mg/kg	7420	10
CHROMIUM	BDL	BDL	BDL	mg/kg	7190	10

BLEND - 1 CONTAMINATED WITH 13 CLEAN

BDL = Below detection limit

RINKER MATERIALS SUBSTITUTION

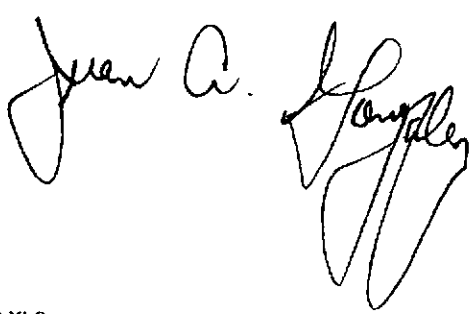
Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/15/96
SAMPLE SOURCE	DAFCIK AUTO
REFERENCE #	419-96003
R.E.S. NUMBER	2128 - 2129
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	196	BDL	85	mg/kg	7420	10

BLEND = 1 Contaminated With 3 CLEAN

BDL = Below detection limit



Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/16/96
SAMPLE SOURCE	COASTAL FUELS
REFERENCE #	344-96016
R.E.S. NUMBER	2136 - 2137
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	43	BDL	49	mg/kg	7420	10

BLEND = 1 Contaminated With 3 CLEAN

BDL = Below detection limit

BLEN5-20.XLS

R[redacted]ER MATERIALS SUBSTITUTIO[redacted]

Materials Analysis Report

REPORT DATE	6/10/96
SAMPLE DATE	5/20/96
SAMPLE SOURCE	M.D.T.A.
REFERENCE #	114-96059
R.E.S. NUMBER	2132 - 2133
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	47	BDL	57	mg/kg	7420	10

BLEND = 1 Contaminated With 3 CLEAN

BDL = Below detection limit

BLEN5-20.XLS

[redacted]KER MATERIALS SUBSTITUTIO[redacted]

Materials Analysis Report

REPORT DATE	6/11/96
SAMPLE DATE	5/21/96
SAMPLE SOURCE	COASTAL
REFERENCE #	344-96014
R.E.S. NUMBER	2342 - 2343
SAMPLE TYPE	SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	67	BDL	82	mg/kg	7420	10

BLEND = 1 Contaminated With 1 CLEAN

BDL = Below detection limit

BLEND6-3.XLS

Materials Analysis Report

REPORT DATE 6/10/96
SAMPLE DATE 5/16/96
SAMPLE SOURCE COASTAL FUELS
REFERENCE # 344-96016 & 344-96018
R.E.S. NUMBER 2136 2137
SAMPLE TYPE SOIL

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	43	BDL	49	mg/kg	7420	10

BLEND = 1 Contaminated With 3 CLEAN
BDL = Below detection limit

BLEND-20.XLS

Materials Analysis Report

REPORT DATE	6/11/96
SAMPLE DATE	5/31/96
SAMPLE SOURCE	SHELL
REFERENCE #	553-96014
R.E.S. NUMBER	2344 - 2345
SAMPLE TYPE	SOIl

PARAMETER	RESULTS CONTAMINATED	RESULT CLEAN	RESULT BLEND	UNITS	METHOD	D LIMITS
LEAD	95	BDL	32	mg/kg	7420	10

BLEND = 1 Contaminated With 1 CLEAN

BDL = Below detection limit

Florida Department of En ımental 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:

Month May 1996

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								Totals		Source
				METALS										
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	
5/1/96	Thur	5/31/96		No	Activity	Received								

Untreated Soil Reporting Form

Facility Rinker Materials Corporation
Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-0117-91
Stationary XXX

Month May Year 1996

ATTACHMENT "B"

Date	Batch No.	Source	Soil Content PCB's	Tons	PCB Oil Concentration	Lb. PCB per Batch	YTD Lbs. PCB
			Continuation from April 1996				1.5486 lbs.
5/13/96	310-96010	Mobil	.05ppm	1.5 Tons	<.2ppm	.00015	1.5488 lbs.
		2605 S.W. Ave 1					
		Boyton Beach, Fl					