



Florida Department of Environmental Regulation

Southeast District • 1900 S. Congress Ave., Suite A • West Palm Beach, Florida 33406

Lawton Chiles, Governor

Telephone: 407/433-2650

Carol M. Browner, Secretary

Fax: 407/433-2666

SOIL THERMAL TREATMENT FACILITY INSPECTION REPORT

1. TYPE INSPECTION: ☐ COMPLAINT ☒ 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 8/4/92 TIME 10:00

4. TYPE OF FACILITY Thermal Soil Treatment Facility

5. DESCRIPTION OF OPERATION:

Facility Operations include limrock mining and contaminated soil processing to produce cement.

Rinker uses kilns fired by coal, natural gas, or used oil in production.

6. APPL. REGULATIONS: ☐ 17-2, F.A.C. ☒ 17-775, F.A.C.

7. RESPONSIBLE OFFICIAL: (Name and Title)

James Jenkins, Vice President

8. SURVEY PARTICIPANTS AND PRINCIPAL INSPECTOR:

William Lee Martin and Cher Petro, FDER

Dave Marple and Mike Vardeman, Rinker Materials

9. FACILITY LATITUDE 25°46'48" LONGITUDE 80°25'10"

10. TYPE OWNERSHIP: FEDERAL STATE COUNTY MUNICIPAL PRIVATE

11. NOTICE NO: SO13-195017 DATE ISSUED: 4/17/91 EXP. DATE: 4/4/96

Rev 1/8/92

PAW 8/10/92

An unannounced routine inspection was conducted at the Rinker Portland Cement Corporation's soil thermal treatment facility regulated pursuant to Chapter 17-775, Florida Administrative Code. 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 expires on April 4, 1996. The Rinker facility was operating as an existing facility as defined in 17-775.200, 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 17-775, FAC, Rinker requires a soil analysis profile. Based on this profile, and concurrence from Metro Dade Department of Resource Management (DERM), soils are brought by truck to the new soil storage facility. All materials accepted by Rinker still receive approval from DERM in the form of a standardized form letter. This is required as a condition of the facility's current Dade County permits but may change in the future due to the increased administrative workload experienced by the County. At the time of the inspection the new soil storage facility is in use and the old temporary soil storage facility is being prepared for closure. Contaminated soils have been removed from the perimeter of the old facility concrete slab and a closure plan has been prepared which includes soil sampling for confirmation and continued groundwater sampling from the four wells around the slab for two more quarters before closure approval. Rinker claims to accept no hazardous wastes as defined in 40 CFR Part 261.

Rinker has operated a materials substitution program for the last four 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, and (4) blending oily sludges with contaminated soils. Rinker has received approval for a trial burn using 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. The trial appears to be progressing well and a compliance burn is forecast in the near future. Dave Marple estimates the kiln could burn as many as 4,000,000 tires per year.

Additionally, the afterburner system for the petroleum contaminated soils is in operation, although the soils process through the afterburner first, then go through the kiln. Preliminary in house analysis of the soils, although not required, indicate the soils meet clean soil criteria before they are processed through the 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 does not handle drums or containers; therefore, in the event a

contractor delivers contaminated soils in drums or containers the contractor is responsible for emptying and removing the drums and/or containers from the 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 and holding tank are located to collect any contaminated water from wind blown rain seeping through the contaminated soils. Minimal water has been collected to date. The facility experienced severe rainfall the day before, according to Dave Marple, and exhibited standing water in the eastern portion of the facility (approximately one fifth of the facility). The presence of contaminated soil piled extremely high around the leachate collection system prevented observation of the sump and possible function of the system; however, Dave Marple agreed to photograph the system and provide a copy to DER confirm the soil storage was not interfering with the operation of the leachate collection system. Standing water was observed around the perimeter on the Northeast corner of the facility. The standing water outside exhibited an algae growth, mosquito larvae, and a slight sheen but it wasn't clear what the source of the water might be since the floor elevation is supposedly lower than the perimeter walkway. A water sample was taken and analyzed in Rinker's lab which indicated no volatiles present. This should be watched in the future. Additionally, several points along the outside wall approximately two feet off the floor are discharging small quantities of water around previously plugged holes. The small quantities, the presence of iron staining, and the absence of any odor or sheen indicate this may be internal condensation draining. This should be watched in the future and investigated if it increases. The four groundwater wells off the corners of the facility have flush mounted, secured manhole lids. The wells appear to be located on ground high enough to prevent flooding; however, the presence of watertight, lockable well caps could not be confirmed.

Improved screening capability has been installed and a modification to add metal removal by magnetic methods has been completed. The metal and plastics removed from the soils are collected for transport to the County landfill. 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. Random review of records over the past several months indicated one load of untreated soils was received on 5/6/92 which exceeded the clean soil criteria for lead of 77 mg/kg. These soils were blended with other contaminated soils. No treated soils analyzed since the last visit through July 12, 1992 exceeded the VOA or TRPH criteria for clean soil in 17-775, FAC.

SUMMARY:

The new soil storage facility incorporates "state of the art" technology in handling and storing petroleum contaminated soil and significantly enhances Rinker's capability to process contaminated soils in an environmentally sound manner.

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

Name of Facility RINKER MATERIALS CORP.
Location 1200 NW 137th AVE, MIAMI FL 33182
General Permit No. SO 13-195017 Date of Inspection 8/4/92
Contact Person DAVE MARPLE
Person Completing Report LEE MARTIN / CHER PETRO

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 untreated 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 2/28/92 end date 7/23/92
- ☒ 11. Are treated soil reporting forms being properly completed? starting date 3/2/92 end date 7/12/92

* MINOR OMISSIONS - TOTAL VOA NOT RECORDED FOR 7 BATCHES, OTHER RESULTS FOR THESE 7 BATCHES WERE RECORDED AND WERE WITHIN CRITERIA.

12. Indicate frequency clean soil criteria is being met?
- 30 % TRPH - 10 mg/kg, or
 - 70 % 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.
- TRPH BDL mg/kg to 112,000 mg/kg, median 2710 mg/kg
 - VOA BDL mg/kg to 382,000 mg/kg, median 8986 mg/kg
 - Arsenic BDL mg/kg to 28.1 mg/kg
 - Barium BDL mg/kg to 852 mg/kg
 - Cadmium BDL mg/kg to 35 mg/kg
 - Chromium BDL mg/kg to 129 mg/kg
 - Lead BDL mg/kg to 81.9 mg/kg
 - Mercury BDL mg/kg to .73 mg/kg
 - Selenium BDL mg/kg to 36 mg/kg
 - Silver BDL mg/kg to 7.4 mg/kg
- * Incorrect units, see 8/20/92 Rinke ltr
14. Indicate ranges and approximate median values of treated soil analyses for the following parameters.
- TRPH 5.6 mg/kg to 26.6 mg/kg, median 14.4 mg/kg
 - VOA BDL mg/kg to BDL mg/kg, median BDL mg/kg
 - Arsenic BDL mg/kg to 7.5 mg/kg
 - Barium BDL mg/kg to 39.0 mg/kg
 - Cadmium BDL mg/kg to 1.5 mg/kg
 - Chromium 4.0 mg/kg to 19.0 mg/kg
 - Lead BDL mg/kg to 7.4 mg/kg
 - Mercury BDL mg/kg to BDL mg/kg
 - Selenium BDL mg/kg to BDL mg/kg
 - Silver BDL mg/kg to 3.3 mg/kg
 - _____ mg/kg to _____ mg/kg
 - i. _____ mg/kg to _____ mg/kg

Comments: LEAD RESULTS IN ONE BATCH OF UNTREATED SOILS EXCEEDED
77 mg/kg, THESE SOILS WERE MIXED WITH OTHER UNTREATED SOILS AND
ALL TREATED SOILS WERE WITHIN CRITERIA.

William L. Martin
Signature

8/6/92
Date

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

Name of Facility: _____
Air Permit No.: _____
Soil Treatment Permit No.: _____
Stationary: _____ 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																					
					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		
2-3		42	168	316	250	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-9		42	168	284	3.1	3.0	1.2	12.0	3.8	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-10		42	168	1158	6.5	28.0	1.1	13.0	3.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-17		42	168	925	3.1	36.0	1.4	15.0	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-23		42	168	1110	11.0	37.0	1.5	16.0	4.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-24		42	168	1213	4.5	20	1.1	11.0	3.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-15		42	168	1167	5.5	19.0	1.2	12.0	3.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-16		42	168	1701	7.5	27.0	1.5	14.0	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-22		42	168	1814	4.0	17.0	1.3	12.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-23		42	168	520	7.5	29.0	1.4	14.0	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-24		42	168	488	3.0	14.0	0.8	7.5	4.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-26		42	168	423	4.9	37.0	1.5	15.0	5.6	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-27		42	168	169	6.4	20.0	0.8	1.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-28		42	168	192	1.5	35	6.0	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-29		42	168	879	2.7	25	1.0	1.0	5.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-30		42	168	739	3.2	25	1.0	12.4	3.7	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-31		42	168	1059	2.0	21.0	3.0	10.0	5.9	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-1		42	168	1240	4.9	35.0	1.5	18.0	7.4	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-8		42	168	1435	4.9	29	1.2	11.0	6.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-14		42	168	1108	5.9	31	1.4	14	5.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					
2-15		42	168	1108	5.9	31	1.4	14	5.1	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0					

Name of Facility: _____
 Air Permit No.: _____
 Soil Treatment Permit No.: _____
 Stationary: _____ or Mobile Facility: _____

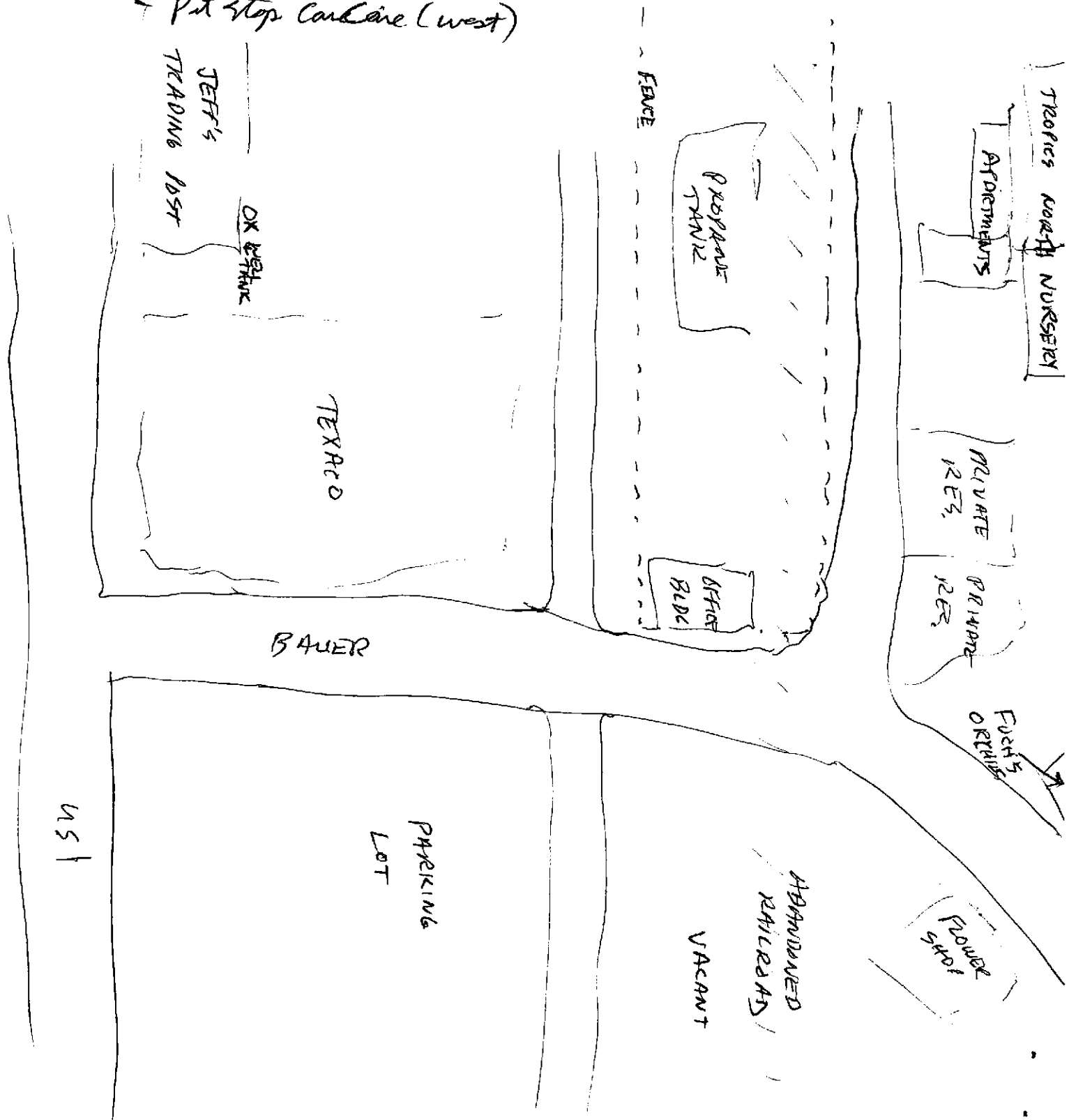
Month: _____ Year: _____

[illegible]

- Fuch's Orchids (west)
- Tropics North Nursery (west)
- Texaco (east)
- Jeff's Trading Post (Gold, Electronics)
- Shopping center (east) well in rear
- Pit stop Car Care (west)

CANAL

↑
±500'



→2

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

Stationary **XXX** or Mobile Facility:Stationary **XXX** or Mobile Facility:

Year: 1992

[illegible]

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:

Month: JULY Year: 1992

1	2	3	4	5										6	7	8
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/lb	Analytical Results												
				Metals										Totals		Indicate Other Analyses
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH			Attach Lab Results Only
07/13/92	297-82002	1	20.61	BDL	10.3	BDL	6.6	75	BDL	BDL	BDL	60900	13300			
07/13/92	300-82001	7	238.12	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431			
07/13/92	302-82001	1	38.90	1.6	4.2	BDL	2.2	2.7	BDL	BDL	BDL	BDL	15			
07/13/92	302-82003	1	44.68	<1	3.1	<.5	2.4	16	<.03	<1	<1	BDL	28			
07/14/92	138-82011	1	21.20	<1.0	<1.0	<.050	6.55	2.10	<.030	<1.0	<1.0	<.38	9			
07/14/92	143-82010	1	60.19	BDL	BDL	BDL	5.20	13.2	BDL	BDL	BDL	BDL	260			
07/14/92	160-82006	8	147.49	<3	9.8	<.76	<8.2	55.9	<.04	<1	<1	<39.62	1144			
07/14/92	265-82002	3	138.09	BDL	3.3	BDL	.97	7.9	BDL	BDL	BDL	BDL	6.37			
07/14/92	265-82006	1	0.57	BDL	2.4	BDL	2.0	12.0	BDL	BDL	BDL	1830	84			
07/14/92	265-82007	1	1.24	BDL	1.6	BDL	1.5	.74	BDL	BDL	BDL	BDL	BDL			
07/14/92	265-82008	1	1.69	BDL	1.6	BDL	BDL	2.0	BDL	BDL	BDL	382000	84			
07/14/92	265-82009	1	0.48	1.1	5.8	BDL	5.4	2.0	BDL	BDL	BDL	BDL	84			
07/14/92	300-82001	7	368.83	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431			
07/14/92	302-82001	1	34.94	1.6	4.2	BDL	2.2	2.7	BDL	BDL	BDL	BDL	15			
07/14/92	302-82002	1	84.10	2.1	3.0	BDL	4.4	BDL	BDL	BDL	BDL	BDL	139			
07/14/92	302-82003	1	23.76	<1	3.1	<.5	2.4	16	<.03	<1	<1	BDL	28			
07/14/92	304-82001	1	13.89	6.0	31.0	2.35	16	20.5	BDL	BDL	1.35	BDL	28400			
07/15/92	111-82184	1	174.76	BDL	3.2	BDL	4.00	42.5	BDL	BDL	BDL	BDL	6660			
07/15/92	143-82010	1	70.29	BDL	BDL	BDL	5.20	13.2	BDL	BDL	BDL	BDL	260			
07/15/92	160-82006	8	140.16	<3	9.8	<.76	<8.2	55.9	<.04	<1	<1	<39.62	1144			
07/15/92	265-82002	3	216.55	BDL	3.3	BDL	.97	7.9	BDL	BDL	BDL	BDL	5.37			
07/15/92	304-82001	1	17.47	6.0	31.0	2.35	16	20.5	BDL	BDL	1.35	BDL	28400			
07/16/92	111-82184	1	18.86	BDL	3.2	BDL	4.00	42.5	BDL	BDL	BDL	BDL	6660			
07/16/92	160-82006	8	138.92	<3	9.8	<.76	<8.2	55.9	<.04	<1	<1	<39.62	1144			
07/16/92	267-82002	1	55.32	2.5	20	1.8	37.1	55.1	BDL	BDL	BDL	860	436			
07/16/92	301-82001	1	1.76	BDL	6	BDL	6	BDL	BDL	BDL	BDL	84	15			
07/16/92	304-82001	1	8.87	6.0	31.0	2.35	16	20.5	BDL	BDL	1.35	BDL	28400			

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:

Month: JULY Year: 1992

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		Indicate Other Analyses	
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	Attach Lab Results Only	
07/09/92	103-92013	1	42.10	BDL	3.8	BDL	5.4	30	BDL	BDL	BDL	11	500		
07/09/92	106-92166	5	118.32	BDL	1.36	BDL	1.64	1.12	BDL	BDL	BDL	BDL	18.38		
07/09/92	111-92183	3	508.41	BDL	4.3	BDL	3.4	4.5	BDL	BDL	BDL	BDL	18.7		
07/09/92	165-92003	1	34.15	1.0	15.0	<5	9.10	12.8	<1	<1	<5	BDL	88.4		
07/09/92	165-92004	1	44.93	.5	15	4.1	4.2	7.3	<.06	<1	1.5	BDL	1126.4		
07/09/92	278-92028	5	133.65	BDL	3.1	.28	3.3	5.2	BDL	BDL	BDL	40339	537		
07/09/92	278-92029	3	228.48	1.1	54.8	<1.1	16.16	34.7	.087	<.4	1.9	BDL	2872		
07/10/92	106-92161	1	2.81	BDL	3.1	BDL	3.0	BDL	BDL	BDL	BDL	17370	28		
07/10/92	106-92162	1	0.13	<.4	46.6	<.8	10.6	59.9	.08	<.4	2.5	BDL	33603		
07/10/92	106-92163	1	5.09	1.3	852	<.8	8.4	43.6	<.05	<.4	4.2	BDL	3369		
07/10/92	106-92168	5	31.01	BDL	1.36	BDL	1.64	1.12	BDL	BDL	BDL	BDL	18.38		
07/10/92	111-92181	1	114.60	BDL	2.4	BDL	1.5	BDL	BDL		1.3	BDL	108		
07/10/92	135-92010	1	63.25	<1.0	<1.0	<0.50	6.55	2.10	<0.030	<1.0	<1.0	<38	9		
07/10/92	278-92028	5	18.98	BDL	3.1	.28	3.3	5.2	BDL	BDL	BDL	40339	537		
07/10/92	300-92001	7	329.32	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431		
07/13/92	106-92154	1	0.86	BDL	3.1	BDL	3.0	BDL	BDL	BDL	BDL	17370	28		
07/13/92	106-92155	1	2.17	BDL	9	BDL	2	BDL	BDL	BDL	BDL	BDL	33		
07/13/92	106-92156	1	0.20	<.4	<10	<.8	<4.0	7.2	<.05	<.4	<1.6	BDL	7.2		
07/13/92	106-92157	1	0.63	1.8	4.6	BDL	2.6	6.3	BDL	BDL	BDL	BDL	128		
07/13/92	106-92158	1	0.57	BDL	4.0	BDL	2.9	2.0	BDL	BDL	BDL	99200	35		
07/13/92	106-92159	1	0.25	<.4	<20	.8	<.4	<.4	<.05	<.4	<1.6	BDL	5503		
07/13/92	106-92160	1	0.75	1.5	5.9	BDL	7.7	23	BDL	BDL	BDL	BDL	105500		
07/13/92	106-92164	1	0.98	<.1	2.8	<.5	2.7	9.8	<.03	<10	<.1	37	320		
07/13/92	106-92165	1	0.89	<.4	<12	<.8	<.4	<.4	<.05	<.4	<1.6	BDL	<5		
07/13/92	111-92180	1	23.76	.433	58.9	4.44	47	20.6	.00183	.177	1.15	<53.8	16400		
07/13/92	111-92182	1	2.92	.176	4.12	<.05	4.24	1.81	.0319	.0874	<.5	<829	52.8		
07/13/92	160-92008	8	145.84	<3	9.8	<.76	<8.2	55.9	<.04	<.1	<.1	<89.62	1144		

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:

Month: JULY Year: 1992

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		Indicate Other Analyses	
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	Attach Lab Results Only
06/30/92	278-92020	1	83.12	.3	8.4	1.6	.62	.96	<.01	<.02	1.1	BDL	<10	
06/30/92	278-92021	1	14.29	.17	11	.19	.28	.13	<.01	.04	<.5	BDL	24	
06/30/92	278-92022	1	66.96	BDL	3.6	BDL	BDL	BDL	BDL	BDL	BDL	BDL	122	
06/30/92	278-92025	1	29.21	.26	21	1.9	.67	3.8	<.01	<.02	1.3	BDL	700	
07/01/92	101-92009	7	354.50	1.64	10.36	<2.5	3.36	61.8	<.1	<.25	<.5	<51900	947	
07/01/92	106-92166	5	62.17	BDL	1.36	BDL	1.64	1.12	BDL	BDL	BDL	BDL	18.38	
07/01/92	111-92167	1	40.08	1.3	45.5	BDL	11.4	25.1	BDL	BDL	4.6	1500	635	
07/01/92	278-92012	1	43.37	BDL	15	BDL	6.9	36	BDL	BDL	BDL	690	2540	
07/01/92	278-92013	1	9.94	BDL	13	BDL	1.3	BDL	BDL	BDL	BDL	BDL	1220	
07/01/92	278-92014	1	31.88	2.1	7.7	BDL	8.0	27	BDL	BDL	BDL	BDL	1130	
07/01/92	300-92001	7	235.74	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431	
07/02/92	101-92009	7	776.12	1.64	10.36	<2.5	3.36	61.8	<.1	<.25	<.5	<51900	947	
07/02/92	103-92012	3	78.30	<.4	8	<.5	6.17	7.17	.03	<.1	<.1	<.2	<5.0	
07/02/92	278-92012	1	9.00	BDL	15	BDL	6.9	36	BDL	BDL	BDL	690	2540	
07/02/92	278-92015	1	83.78	BDL	7.8	BDL	4.8	19.0	BDL	BDL	BDL	BDL	7180.0	
07/02/92	278-92016	1	22.81	BDL	7.6	BDL	4.6	8.2	BDL	BDL	1.2	BDL	155.0	
07/02/92	278-92017	1	30.82	BDL	4.9	BDL	5.3	25.0	BDL	BDL	BDL	BDL	643.0	
07/02/92	293-92005	1	37.12	<1.0	8.9	<.5	5.4	7.1	.031	<1.0	<1.0	BDL	220	
07/06/92	101-92009	7	215.00	1.64	10.36	<2.5	3.36	61.8	<.1	<.25	<.5	<51900	947	
07/06/92	254-92002	1	15.24	BDL	2.3	BDL	4.0	3.4	BDL	BDL	BDL	BDL	226	
07/06/92	300-92001	7	350.74	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431	
07/06/92	303-92001	1	26.36	1.65	6.3	<.50	4.15	34.5	<.03	<.2	<.1	<180	10800	
07/07/92	165-92002	1	39.52	1.2	8.3	BDL	3.4	7.8	BDL	BDL	BDL	BDL	1905	
07/07/92	303-92001	1	62.91	1.65	6.3	<.50	4.15	34.5	<.03	<.2	<.1	<180	10800	
07/08/92	206-92003	1	10.30	BDL	BDL	.001	.001	.083	BDL	.001	BDL	BDL	20	
07/08/92	278-92027	1	25.69	2.2	0.36	0.045	3.8	4.6	<0.010	<0.020	1.1	<130	1700	
07/08/92	278-92028	5	61.73	BDL	3.1	.28	3.3	5.2	BDL	BDL	BDL	40339	537	

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

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Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility:

Month: JULY Year: 1992

1	2	3	4	5					6	7	8			
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/lb	Analytical Results										
				Metals							Totals		Indicate Other Analyses	
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	Attach Lab Results Only
06/28/92	111-92168	1	3.98	.124	2.42	<.05	1.8	4.88	.0116	.0448	<.05	<15.549	36.2	
06/28/92	114-92032	1	30.02	1.7	3.8	BDL	3.5	12.8	BDL	BDL	BDL	BDL	587	
06/28/92	114-92033	1	3.76	<.4	7	<.5	2.8	1.5	<.02	<.1	<.1	182	<.5	
06/28/92	278-92011	1	13.77	BDL	5.1	BDL	5.1	41	BDL	BDL	BDL	BDL	403	
06/28/92	278-92018	1	8.77	BDL	14	BDL	1.8	24.0	BDL	BDL	BDL	3100	1104	
06/28/92	300-92001	7	259.13	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431	
06/28/92	101-92009	7	1202.34	1.64	10.38	<2.5	3.38	61.8	<.1	<.25	<.5	<51900	947	
06/29/92	108-92166	5	56.47	BDL	1.38	BDL	1.64	1.12	BDL	BDL	BDL	BDL	18.38	
06/29/92	111-92174	1	1.46	BDL	47	BDL	3.8	2.4	BDL	BDL	4.2	0.21	50.5	
06/29/92	111-92175	1	2.04	.452	3.39	<.005	5.88	12.4	.00736	.0278	<.05	<10.88	44.9	
06/29/92	134-92009	1	15.46	BDL	2.3	BDL	3.0	22	BDL	BDL	BDL	BDL	611	
06/29/92	278-92021	1	38.89	.17	11	.19	.28	.13	<.01	.04	<.5	BDL	24	
06/29/92	278-92022	1	20.56	BDL	3.8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	122	
06/29/92	278-92023	1	30.81	BDL	5.9	BDL	6.7	61	BDL	BDL	BDL	BDL	1780	
06/29/92	289-92001	1	15.92	<1.0	4.7	<.5	4.8	1.7	<.03	<.20	<.1	BDL	110	
06/30/92	101-92009	7	1506.21	1.64	10.38	<2.5	3.38	61.8	<.1	<.25	<.5	<51900	947	
06/30/92	111-92166	1	2.33	.123	82.01	1.29	17.8	25.4	.0166	.0425	1.68	<.9	1582	
06/30/92	111-92167	1	112.49	1.3	45.5	BDL	11.4	25.1	BDL	BDL	4.8	1500	635	
06/30/92	111-92169	1	18.77	BDL	11.9	BDL	3.70	58.6	BDL	BDL	BDL	BDL	6550	
06/30/92	111-92170	1	127.48	BDL	6.9	BDL	4.10	16	BDL	BDL	BDL	300	98	
06/30/92	111-92171	1	53.61	BDL	15.2	BDL	3.0	20.3	BDL	BDL	1.2	.79	608	
06/30/92	111-92172	1	1.40	.124	5.55	.0919	1.15	8.37	.158	.0279	<.05	<21.85	39.2	
06/30/92	111-92173	1	0.53	.255	170	<.05	11.9	7.9	.0311	.0757	<.05	<10.08	189	
06/30/92	265-92003	1	0.32	<1.4	27.9	.78	60.6	28.6	.00536	36	<.001	<194160	2200	
06/30/92	265-92004	1	4.27	.267	<.1	.294	2.48	3.78	.00397	.0553	<.01	<885.9	61.1	
06/30/92	265-92005	1	1.29	<.008	.114	<.001	.00258	.007	<.0002	<.01	.0782	27141	5.6	
06/30/92	278-92019	1	6.06	.099	7.0	2.0	1.8	3.5	<.01	<.02	1.3	BDL	218	

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

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Air Permit No.: A013-172154

Soil Treatment Permit No.: SW-01117-91

Stationary XXX or Mobile Facility:

Month: JULY Year: 1992

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										Indicate Other Analyses	
				Totals										Attach Lab Results Only	
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH		
06/22/92	108-92152	1	13.94	<1	2.5	<.5	3.4	1.8	<.03	<1	<1	489.2	34		
06/22/92	108-92153	3	70.90	<4	<13.77	<.8	<4	<4	<.001	<4	<1.8	3128	1558.3		
06/22/92	106-92168	5	52.29	BDL	1.38	BDL	1.94	1.12	BDL	BDL	BDL	BDL	18.38		
06/22/92	111-92165	1	35.82	.451	4.19	.0661	4.43	5.91	.00659	.0318	<.05	9	50.2		
06/22/92	111-92179	3	7.49	14.41	1.667	.58	2.66	16.67	.037	13.99	.26	<.8	41.2		
06/22/92	143-92009	1	83.68	BDL	BDL	BDL	5.20	13.2	BDL	BDL	BDL	BDL	260		
06/22/92	293-92004	5	17.96	<4	4.2	<.5	.74	.5	<.02	<1	<1	BDL	141.8		
06/22/92	297-92001	1	2.82	2.2	7.3	BDL	4.3	53.4	BDL	BDL	BDL	BDL	1300		
06/23/92	108-92153	3	34.06	<4	<13.77	<.8	<4	<4	<.001	<4	<1.8	3128	1558.3		
06/23/92	112-92001	1	23.33	3.4	32	<.5	11	23	.00025	<.0	<.0	BDL	244		
06/23/92	300-92001	7	131.52	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431		
06/24/92	101-92008	1	123.82	4.4	1.0	<.0001	14	1.8	<.01	1.3	<.0	<1	540		
06/24/92	108-92151	1	28.02	1.0	16	3.3	34	27.4	.72	<1	<1	BDL	370		
06/24/92	114-92034	1	1.92	BDL	3.1	BDL	3.0	1.5	BDL	BDL	BDL	BDL	32.1		
06/24/92	278-92026	3	173.20	<1	1.4	<.5	1.73	6.4	.049	<1	<1	1454	62.3		
06/24/92	300-92001	7	205.97	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431		
06/25/92	106-92150	1	99.16	0.74	13.8	<.000	<4.0	14.8	0.10	<.040	<1.80	BDL	2480		
06/25/92	111-92178	1	2.25	.18	4.02	<.05	3.74	21.4	<.001	.0486	<.05	<.8	74		
06/25/92	111-92177	1	2.38	.111	1.57	<.05	1.77	<.02	.00187	.006	<.05	10.37	15		
06/25/92	111-92178	3	168.73	BDL	37.6	BDL	3.13	65.9	BDL	BDL	2.18	BDL	3190		
06/25/92	114-92035	1	15.42	6.9	32	<.5	2.4	21	.03	<1	<1	<34.5	<5		
06/25/92	165-92002	1	98.95	1.2	6.3	BDL	3.4	7.8	BDL	BDL	BDL	BDL	1905		
06/25/92	240-92008	1	90.37	1.74	31.09	.08	4.05	10.25	.01	4.35	<.01	658	2900		
06/25/92	278-92024	1	5.72	1.6	20	BDL	7.83	35	BDL	BDL	1.8	33500	9280		
06/25/92	298-92001	1	65.79	1.05	.25	<.02	15.6	.3	<.05	2.44	.21	BDL	1		
06/25/92	298-92001	1	45.45	BDL	11.8	BDL	BDL	BDL	BDL	BDL	BDL	3.2	426.0		
06/25/92	300-92001	7	265.71	.13	2.73	.78	4.4	2.58	.039	.054	<.054	<12.59	431		

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Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary **XXX** or Mobile Facility:

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Year: 1992

[illegible]

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: _____

Month: JUNE Year: 1992

1	2	3	4	5										6	7	8
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/tn	Analytical Results										Indicate Other Analyses		
				Metals										Totals		
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	Attach Lab Results Only		
06/09/92	239-92002	3	28.52	BDL	1	BDL	2.67	2	BDL	BDL	BDL	91543	746.7			
06/09/92	293-92002	1	188.51	<4	<2	<5	.9	7.1	<.02	<1	<1	BDL	291			
06/10/92	108-92148	5	58.95	BDL	1.36	BDL	1.84	1.12	BDL	BDL	BDL	BDL	18.38			
06/10/92	239-92002	3	114.28	BDL	1	BDL	2.67	2	BDL	BDL	BDL	91543	746.7			
06/10/92	278-92007	1	36.39	1.1	8.7	<5	8.0	25	<.03	<1	<1	<5.8	87			
06/10/92	293-92001	1	125.67	<1	8.8	<5	4.4	.67	<.03	<1	<1	BDL	2500			
06/10/92	293-92002	1	109.10	<4	<2	<5	.9	7.1	<.02	<1	<1	BDL	291			
06/11/92	108-92148	5	42.65	BDL	1.36	BDL	1.84	1.12	BDL	BDL	BDL	BDL	18.38			
06/11/92	114-92031	1	0.74	5.0	12.0	BDL	3.6	8.5	BDL	BDL	BDL	10700	13400			
06/11/92	239-92002	3	16.68	BDL	1	BDL	2.67	2	BDL	BDL	BDL	91543	746.7			
06/12/92	101-92007	1	54.14	1.8	<5	<.05	<5	3.7	<1	<5	<5	<13	850			
06/12/92	103-92011	1	80.88	<4	13	<5	8	14	<.02	<1	<1	<18.5	<5			
06/12/92	239-92002	3	355.42	BDL	1	BDL	2.67	2	BDL	BDL	BDL	91543	746.7			
06/15/92	111-92161	1	5.60	BDL	4.5	BDL	5.4	2.9	0.124	BDL	BDL	BDL	27			
06/15/92	111-92162	1	0.72	<0.4	4.27	<0.05	3.12	2.37	.09505	9.49	<0.05	<9	43.2			
06/15/92	143-92007	1	42.14	BDL	BDL	BDL	4.8	4.8	BDL	BDL	BDL	BDL	1750			
06/15/92	220-92002	1	43.14	BDL	12.0	BDL	BDL	6.2	BDL	BDL	BDL	BDL	5830.0			
06/15/92	239-92002	3	647.60	BDL	1	BDL	2.67	2	BDL	BDL	BDL	91543	746.7			
06/18/92	160-92005	6	491.42	<1	2.88	<5	4.02	4.75	<.02	<1	<1	250267	605			
06/18/92	187-92020	1	7.04	BDL	4.0	BDL	2.4	1.9	BDL	BDL	BDL	BDL	12			
06/18/92	239-92002	3	148.99	BDL	1	BDL	2.67	2	BDL	BDL	BDL	91543	746.7			
06/18/92	293-92003	5	73.54	<8	19.8	<5	8.36	2.27	<.02	<1	<1	BDL	2070.4			
06/18/92	293-92004	5	26.69	<4	4.2	<5	.74	.5	<.02	<1	<1	BDL	141.6			
06/17/92	108-92148	5	49.93	BDL	1.36	BDL	1.84	1.12	BDL	BDL	BDL	BDL	18.38			
06/17/92	160-92005	6	682.38	<1	2.88	<5	4.02	4.75	<.02	<1	<1	250267	605			
06/17/92	278-92060	1	10.47	1.7	16	.63	9.2	14	.025	<.02	<5	<130	<10			
06/17/92	293-92003	5	218.46	<8	19.8	<5	8.36	2.27	<.02	<1	<1	BDL	2070.4			

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Stationary XXX or Mobile Facility:

Month: JUNE Year: 1992

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		
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPB	Indicate Other Analyses Attach Lab Results Only		
05/26/92	250-92005	3	25.94	<4	8.75	<0.02	3.97	24.13	.0042	.033	<0.6	220.35	584			
05/27/92	108-92147	1	9.61	2.2	269	<8	28.0	<4.0	<0.5	<4	2.7	2310	36284			
05/27/92	290-92001	1	133.10	1.6	108.8	1.5	7.2	60.0	.061	<4	<1.6	BDL	1280			
05/27/92	292-92001	1	110.33	BDL	71.2	BDL	BDL	17.2	BDL	BDL	BDL	21	1175			
05/28/92	278-92008	3	24.78	<1.1	8.17	<5	4.87	<9.33	<0.4	<10	<1	BDL	<47.5			
05/29/92	294-92001	1	3.18	BDL	5.9	BDL	2.6	2.0	BDL	BDL	BDL	BDL	63			
06/01/92	111-92180	1	23.29	<1	8.2	<1	<50	3.5	<0.3	<4	<2	BDL	230			
06/01/92	278-92006	3	79.34	<1.0	18.5	<5	8.7	7.8	<1.6	<10	<1.03	1333	<251			
06/01/92	291-92001	5	625.67	<1	3.72	<5	4.16	16.72	<0.3	<1	<1	<4925	33.68			
06/01/92	291-92002	5	0.30	<1	3.72	<5	4.16	16.72	<0.3	<1	<1	<4925	33.68			
06/02/92	278-92006	3	140.72	<1.0	18.5	<5	8.7	7.8	<1.6	<10	<1.03	1333	<251			
06/02/92	291-92001	5	368.72	<1	3.72	<5	4.16	16.72	<0.3	<1	<1	<4925	33.68			
06/02/92	291-92002	5	24.21	<1	3.72	<5	4.16	16.72	<0.3	<1	<1	<4925	33.68			
06/03/92	278-92006	3	51.21	<1.0	18.5	<5	8.7	7.8	<1.6	<10	<1.03	1333	<251			
06/03/92	289-92001	1	11.39	BDL	BDL	BDL	BDL	1.3	BDL	BDL	BDL	BDL	19.8			
06/04/92	281-92003	1	200.44	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.4			
06/05/92	106-92148	5	71.74	BDL	1.36	BDL	1.84	1.12	BDL	BDL	BDL	BDL	18.38			
06/05/92	289-92002	3	19.06	BDL	1	BDL	2.87	2	BDL	BDL	BDL	61543	748.7			
06/05/92	281-92003	1	25.65	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL	12.4			
06/06/92	106-92148	5	66.76	BDL	1.36	BDL	1.84	1.12	BDL	BDL	BDL	BDL	18.38			
06/06/92	114-92030	1	106.44	1.3	2.7	BDL	2.4	16.0	BDL	BDL	BDL	BDL	33.6			
06/06/92	187-92021	1	0.52	<4	76.4	<8	6.0	<4	<0.5	<4	<1.6	BDL	<5			
06/06/92	187-92022	1	6.69	.61	110	<8	11.9	12.8	<0.5	<4	1.9	30603	157			
06/06/92	187-92023	1	1.02	2.0	7.17	<0.01	4.21	7.43	.0182	.0527	<0.01	<9	189			
06/06/92	187-92024	1	2.52	<4	9.12	<0.5	2.84	2.48	<0.01	<5	<0.5	713.1	1040			
06/06/92	104-92003	1	3.59	3.9	6.2	1.2	15	5.7	BDL	BDL	BDL	1540	32800			
06/06/92	106-92148	5	48.37	BDL	1.36	BDL	1.84	1.12	BDL	BDL	BDL	BDL	18.38			

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

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

Month: MAY Year: 1992

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		
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	Indicate Other Analyses Attach Lab Results Only		
05/13/92	230-92003	5	19.24	BDL	4.6	BDL	3.6	25.4	BDL	BDL	BDL	23268.2	291.6			
05/13/92	278-92005	3	97.38	<1.1	8.17	<5	4.67	<9.33	<0.4	<10	<1	BDL	<47.5			
05/14/92	106-92142	1	1.85	1.0	<12.0	<8	6.9	<4.0	<0.5	<4	<1.6	583	15			
05/14/92	106-92143	1	1.57	<1	1.8	<5	<0.1	9.2	<0.3	<1	<1	43200	14000			
05/14/92	106-92144	1	1.13	<2.8	86	<1.4	22	7.5	<1.4	<1.4	<2.8	BDL	115			
05/14/92	106-92145	1	1.14	1.2	3.6	<5	2.3	3.9	<0.3	<1	<1	860	14			
05/14/92	106-92146	1	1.56	BDL	3.2	BDL	1.7	1.9	BDL	BDL	BDL	1780	6			
05/14/92	111-92154	1	70.85	<4	5.15	33.3	5.31	21.1	<0.01	<5	<0.5	92700	390			
05/14/92	111-92156	1	0.60	.118	2.77	1.76	3.49	45.3	.00509	.0256	.593	<3	69.8			
05/14/92	111-92157	1	1.43	.186	<1	2.82	7.3	47.1	.00185	.0384	4.85	<3	14.7			
05/14/92	111-92158	1	0.60	.156	2.57	2.25	3.88	32.1	.0206	.0211	2.07	<3	111.0			
05/14/92	134-92008	1	98.01	BDL	373	BDL	4.0	10.3	BDL	BDL	5.4	780	3543			
05/14/92	240-92007	1	18.91	<4	4.07	23.5	4.85	25.6	.0189	<5	<0.5	<3	303			
05/14/92	250-92004	3	67.48	<4	8.75	<0.62	3.97	24.13	.0042	.033	<0.5	220.35	564			
05/14/92	287-92001	1	24.56	.44	4.2	.015	2.7	13	<0.1	<0.2	.57	<130	<10			
05/15/92	250-92004	3	70.37	<4	8.75	<0.62	3.97	24.13	.0042	.033	<0.5	220.35	564			
05/15/92	253-92007	1	35.97	<4	5.12	4.32	5.25	23.8	.012	<5	<0.5	<3	386			
05/15/92	288-92001	1	14.61	BDL	BDL	BDL	2	11	BDL	BDL	BDL	BDL	98			
05/18/92	114-92028	1	2.55	<4	3	<5	2.1	1.8	.02	<1	<1	BDL	118.1			
05/18/92	250-92004	3	47.79	<4	8.75	<0.62	3.97	24.13	.0042	.033	<0.5	220.35	564			
05/18/92	258-92008	1	11.73	BDL	8.2	BDL	2.4	10.7	BDL	BDL	BDL	BDL	280			
05/20/92	250-92004	3	47.60	<4	8.75	<0.62	3.97	24.13	.0042	.033	<0.5	220.35	564			
05/21/92	103-92010	1	3.03	<4	5	<5	3.7	3.9	<0.2	<1	<1	169	<5			
05/21/92	111-92159	1	31.81	<4	3.1	<0.5	3.08	10.01	.0169	<5	<0.5	<3	77.7			
05/22/92	114-92028	1	15.11	BDL	2.7	BDL	3.2	2.3	BDL	BDL	BDL	BDL	35			

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

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Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility: _____

Month: MAY Year: 1992

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		
				Metals												
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	Indicate Other Analyses Attach Lab Results Only		
05/08/92	230-92003	5	182.95	BDL	4.6	BDL	3.6	25.4	BDL	BDL	BDL	23268.2	281.6			
05/08/92	286-92001	1	3.50	BDL	BDL	.26	.99	1.5	.04	.68	.62	3400	17			
05/07/92	111-92149	1	62.53	<.4	6.2	7.62	5.41	23.8	.0181	<.5	<.05	<.9	237			
05/07/92	230-92003	5	304.98	BDL	4.6	BDL	3.6	25.4	BDL	BDL	BDL	23268.2	281.6			
05/07/92	250-92004	3	111.02	<.4	8.75	<.082	3.97	24.13	.0042	.033	<.05	220.35	564			
05/08/92	111-92150	1	34.01	<.4	6.59	35	5.6	13.2	.012	<.5	<.05	7801.5	217			
05/08/92	134-92007	1	106.04	BDL	373	BDL	4.0	10.3	BDL	BDL	5.4	780	3543			
05/08/92	209-92004	1	2.33	BDL	1.6	BDL	2.9	2.6	BDL	BDL	BDL	BDL	226			
05/08/92	230-92003	5	188.97	BDL	4.6	BDL	3.6	25.4	BDL	BDL	BDL	23268.2	281.6			
05/08/92	250-92004	3	232.27	<.4	8.75	<.082	3.97	24.13	.0042	.033	<.05	220.35	564			
05/08/92	284-92001	1	12.74	BDL	9.2	BDL	2.8	2.0	BDL	BDL	BDL	BDL	1500			
05/11/92	230-92003	5	160.24	BDL	4.6	BDL	3.6	25.4	BDL	BDL	BDL	23268.2	281.6			
05/11/92	250-92004	3	231.91	<.4	8.75	<.082	3.97	24.13	.0042	.033	<.05	220.35	564			
05/11/92	285-92001	1	20.26	BDL	145	BDL	4.8	4.6	BDL	BDL	BDL	1100	2600			
05/12/92	106-92135	1	0.40	1.1	BDL	BDL	1.9	5.4	BDL	BDL	BDL	1239	BDL			
05/12/92	106-92136	1	0.24	.9	10	BDL	3.8	38	BDL	BDL	BDL	BDL	100000			
05/12/92	106-92137	1	0.22	.71	12.9	<.8	7.0	<.4.0	<.05	<.4	<.6	BDL	39			
05/12/92	106-92138	1	7.35	BDL	2.8	BDL	2.2	2.2	BDL	BDL	BDL	26486	BDL			
05/12/92	106-92139	1	2.32	<.4	7	<.5	1.3	4.0	<.02	<.0	<.1	BDL	31.1			
05/12/92	106-92140	1	1.47	<.4	<.12.0	<.8	<.4.0	<.4.0	<.05	<.4	<.6	75	82			
05/12/92	106-92141	1	4.51	BDL	25.7	BDL	9.3	2.1	BDL	BDL	BDL	BDL	11			
05/12/92	230-92003	5	228.84	BDL	4.6	BDL	3.6	25.4	BDL	BDL	BDL	23268.2	281.6			
05/12/92	250-92004	3	20.66	<.4	8.75	<.082	3.97	24.13	.0042	.033	<.05	220.35	564			
05/13/92	111-92151	1	1.28	.398	2.44	<.001	7.67	5.04	.0145	.0252	<.001	4197.6	31.8			
05/13/92	111-92152	1	0.12	<.4	3.93	<.05	2.34	4.38	.0147	.0452	<.05	BDL	270			
05/13/92	111-92153	1	1.63	.0577	5.03	.384	1.65	5.51	<.001	.00805	.0148	<.45	33			
05/13/92	111-92155	1	37.03	.288	52	5.96	10.5	42.1	.00839	.0118	4.35	29	130			

* See 8/20/92 Rinker letter p. 14

Name of Facility: RINKER MATERIALS CORP.
Alr Permit No.: A013-172154
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Stationary XXX **or Mobile Facility:** _____

Month: April Year: 1992

[illegible]

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

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 Air Permit No.: A013-172154
 Soil Treatment Permit No.: SW-01117-91
 Stationary XXX or Mobile Facility: _____

Month: April Year: 1992

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		
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	SOURCE		
04/17/92	108-92131	3	110.32	<.4	<13.77	<.8	<.4	<.4	<.001	<.4	<1.8	3128	1558.3	BROWARD COUNTY WATER PLAN		
04/17/92	111-92131	1	0.95	8.94	2.43	<.05	2.59	3.29	.0355	<.5	1.81	<15.75	131	HOLLYWOOD GOLF & COUNTRY		
04/17/92	111-92133	1	0.28	1.05	8.25	1.08	4.21	17	.00952	.0859	1.85	<.9	136	SHELL-8200 N. MIAMI AVE.		
04/17/92	111-92138	1	0.81	.347	9.12	.988	20.6	28.8	.0094	.114	.283	<29*	200	SHELL-1001 W. 49TH ST.		
04/17/92	111-92137	1	0.68	.231	2.88	1.29	6.29	20.6	<.001	.0802	2.45	<.9	553	AMOCO-1001 N.W. 7TH AVE.		
04/17/92	160-92004	6	263.55	<5.53	18.45	<.53	2.78	18.55	<.058	<.1	<.1	88.88	34.2	2425 THOMPSON ST(DWNTN)RT		
04/17/92	240-92005	1	86.87	<.4	5.89	.139	3.82	.7	.00959	<.5	<.25	652.51	250	AMOCO-945 5TH STREET		
04/17/92	253-92006	1	38.70	<.4	5.81	4.23	2.98	5.55	.00154	<.5	<.05	507.5	234	AMOCO-4888 N.W. 183RD ST		
04/17/92	278-92001	1	37.42	BDL	2.6	BDL	2.2	6.9	BDL	7.1	BDL	BDL	12	DEMCO		
04/17/92	281-92001	11	90.87	1.03	5.62	.07	4.18	4.09	<.035	<.03	<.02	BDL	10.55	FIVE ASH SOILS		
04/20/92	106-92131	3	109.08	<.4	<13.77	<.8	<.4	<.4	<.001	<.4	<1.8	3128	1558.3	BROWARD COUNTY WATER PLAN		
04/20/92	106-92132	1	30.10	BDL	24.3	BDL	8.7	2.7	BDL	BDL	BDL	BDL	111	MOBIL-13688 S.W. 152ND ST		
04/20/92	160-92004	6	180.52	<5.53	18.45	<.53	2.78	18.55	<.058	<.1	<.1	86.88	34.2	2425 THOMPSON ST(DWNTN)RT		
04/20/92	194-92006	1	16.24	1.5	BDL	BDL	BDL	1.1	BDL	.75	BDL	6700	.038	MIAMI SHORES POLICE-10050		
04/20/92	243-92004	3	45.30	4.23	9.1	.17	11.83	68.1	BDL	BDL	BDL	288	19967	COASTAL - PORT EVERGLADES		
04/20/92	278-92001	1	84.85	BDL	7.7	BDL	3.1	BDL	BDL	BDL	1.4	BDL	18.6	FINA - COMMERCIAL BLVD.		
04/20/92	279-92001	1	19.60	BDL	2.6	BDL	2.2	8.8	BDL	7.1	BDL	BDL	12	DEMCO		
04/20/92	281-92001	11	87.82	1.03	5.62	.07	4.18	4.09	<.035	<.03	<.02	BDL	10.55	FIVE ASH SOILS		
04/21/92	108-92131	3	108.17	<.4	<13.77	<.8	<.4	<.4	<.001	<.4	<1.8	3128	1558.3	BROWARD COUNTY WATER PLAN		
04/21/92	160-92004	6	4.33	<5.53	18.45	<.53	2.78	18.55	<.058	<.1	<.1	88.88	34.2	2425 THOMPSON ST(DWNTN)RT		
04/21/92	194-92006	1	42.49	1.5	BDL	BDL	BDL	1.1	BDL	.75	BDL	6700	.038	MIAMI SHORES POLICE-10050		
04/21/92	243-92004	3	65.54	4.23	9.1	.17	11.83	68.1	BDL	BDL	BDL	288	19967	COASTAL - PORT EVERGLADES		
04/21/92	278-92001	1	10.91	BDL	7.7	BDL	3.1	BDL	BDL	BDL	1.4	BDL	18.6	FINA - COMMERCIAL BLVD.		
04/21/92	279-92001	1	6.78	BDL	2.6	BDL	2.2	6.9	BDL	7.1	BDL	BDL	12	DEMCO		
04/21/92	281-92001	11	114.54	1.03	5.62	.07	4.18	4.09	<.035	<.03	<.02	BDL	10.55	FIVE ASH SOILS		
04/22/92	108-92131	3	30.57	<.4	<13.77	<.8	<.4	<.4	<.001	<.4	<1.8	3128	1558.3	BROWARD COUNTY WATER PLAN		
04/22/92	111-92135	1	54.44	.244	<.1	5.08	15.01	24.2	<.001	.0343	4.87	99.32	1486	SHELL SERVICE-2020 N.W. 1		

* See 8/20/92 Rinker Ltr

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

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Air Permit No.: A013-172154
Soil Treatment Permit No.: SW-01117-91
Stationary XXX or Mobile Facility: _____

Month: April Year: 1992

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		
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH	SOURCE		
04/08/82	275-82001	1	28.27	BDL	1.6	BDL	1.2	2.2	BDL	BDL	2.7	BDL	1300	LAKE WORTH FIRE-1229 DETR		
04/10/82	111-92127	1	82.11	204	14.8	3.34	25	20	.00589	.0582	2.87	<8	483	SHELL-10690 S.W. 8TH ST		
04/10/82	138-82008	1	83.54	2.1	28	.92	<20	35	.18	<1	<1	52	8000	PIERCE PROPERTIES 611 SW		
04/10/82	240-82004	1	53.78	.783	22.2	8.09	11.01	49.8	.00888	.013	4.15	<28.2	1310	AMOCO-875-71 STREET M		
04/10/82	274-82001	1	31.52	<.005	<.1	.02	.182	2.88	<.002	<.002	<.01	<2.045	<.5	CANAM-16085 NW 57TH AVE.		
04/13/82	111-82132	1	47.20	.459	<.1	3.54	8.05	18.5	<.001	.0175	3.84	118815	422	SHELL-690 N.W. 57TH AVE.		
04/13/82	277-82001	4	177.82	BDL	22.7	BDL	3.7	9.4	BDL	BDL	BDL	BDL	108	MILLER IND. 16295 N.W. 13		
04/14/82	108-82128	1	6.31	<1	1.7	<.5	2.5	1.1	<.03	<1	<1	BDL	370	BRWD CNTY MASS TRNST-3201		
04/14/82	108-82129	1	0.28	2.8	8.6	<.5	<50	8.2	<.03	<3.8	<1.0	BDL	29	BROWARD COUNTY AIRPORT		
04/14/82	108-82130	1	0.29	1.95	65.86	.14	4.59	1.9	<.01	12.85	1.3	BDL	183.3	MOBIL-20201 S. DIXIE		
04/14/82	258-82005	1	1.78	BDL	2.0	BDL	BDL	BDL	BDL	BDL	BDL	BDL	636	ACME FUELING FACILITY		
04/14/82	258-82006	1	17.60	BDL	6.8	BDL	2.8	2.2	BDL	BDL	BDL	BDL	2860	ACME PUMP #1		
04/14/82	258-82007	1	51.04	BDL	3.2	BDL	2.0	BDL	BDL	BDL	BDL	BDL	2390	ACME PUMP #2		
04/14/82	280-82001	1	12.82	.43	86.4	BDL	6.8	BDL	BDL	BDL	1.8	BDL	60	WOLLARD EQUIPMENT-6850 N.		
04/15/82	108-82131	3	149.00	<.4	<13.77	<.8	<.4	<.4	<.001	<.4	<1.8	3128	1558.3	BROWARD COUNTY WATER PLAN		
04/15/82	111-82132	1	13.18	.459	<.1	3.54	8.05	18.5	<.001	.0175	3.84	118815	422	SHELL-690 N.W. 57TH AVE.		
04/15/82	160-82004	6	233.77	<.53	18.45	<.53	2.78	19.55	<.058	<1	<1	88.88	34.2	2425 THOMPSON ST(DWNTN)RT		
04/15/82	258-82008	1	47.60	BDL	6.8	BDL	2.9	2.2	BDL	BDL	BDL	BDL	2860	ACME PUMP #1		
04/15/82	278-82002	1	8.74	9.89	3.2	BDL	2.03	BDL	BDL	BDL	BDL	1950	138	PRIME AUTO		
04/16/82	108-82131	3	111.74	<.4	<13.77	<.8	<.4	<.4	<.001	<.4	<1.8	3128	1558.3	BROWARD COUNTY WATER PLAN		
04/16/82	111-82134	3	213.68	<.4	7.28	<1.29	7.46	44.57	.0167	<.5	<.45	<.9	230.57	1001 N. ROYAL POINCIANA		
04/16/82	160-82004	6	238.67	<.53	18.45	<.53	2.78	19.55	<.058	<1	<1	86.88	34.2	2425 THOMPSON ST(DWNTN)RT		
04/16/82	187-82014	1	0.41	BDL	5.8	BDL	4.2	5.8	BDL	BDL	BDL	22.9	BDL	EXXON-301 GIRALDA - GO		
04/16/82	187-82015	1	0.52	BDL	4.2	BDL	5.8	2.4	BDL	BDL	BDL	BDL	22	EXXON-450 N.W. 42ND AVE.		
04/16/82	187-82016	1	0.84	BDL	6.8	BDL	.08	8.8	BDL	BDL	BDL	BDL	10	EXXON-18301 N.W. 2ND AVE.		
04/16/82	187-82017	1	3.28	BDL	7.8	BDL	BDL	13	BDL	BDL	BDL	BDL	23	EXXON-2180 CORAL WAY		
04/16/82	187-82018	1	3.38	1.0	5.0	BDL	3.9	38	BDL	<2.0	BDL	10	140	EXXON-13500 N.W. 7TH N		

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1	2	3	4	5					6	7	8				
Day of Mo.	Soil Batch ID#	Sample Number	Amount Volume or Weight cy/lb	Analytical Results											
				Metals								Totals		SOURCE	
				AS	BA	CD	CR	PB	HG	SE	AG	VOA	RPH		
03/30/92	208-92003	1	2.15	1.3	71.0	BDL	3.2	1.9	BDL	BDL	BDL	1.3	10000	450	YACHT CENTER - POMPAHO
03/30/92	243-92003	1	4.19	BDL	BDL	BDL	BDL	12.1	BDL	BDL	BDL	BDL	100	6040	COASTAL FUELS - PORT MANA
03/31/92	111-92128	1	33.24	<.479	3.8	.0623	3.57	38.5	.553	.0197	1.85	<8	20.8		SILVER STAR INC.
03/31/92	111-92128	1	66.70	.398	2.44	<.001	7.67	5.04	.0145	.0252	<.001	19718	31.6		SHELL-5700 S.W. 8TH
03/31/92	204-92003	1	18.11	8.1	BDL	3.7	BDL	14	BDL	2.2	BDL	BDL	180		RAFFERTYS TEXACO - ISLA M
04/01/92	111-92130	1	45.82	<.4	4.83	.592	5.21	.452	<.001	<.5	<.05	1085.6	97.01		AMOCO-6850 N.W. 7TH AVE.
04/01/92	143-92005	1	35.79	BDL	2.9	BDL	2.7	1.6	BDL	BDL	BDL	BDL	138		OAKRIDGE COUNTRY CLUB
04/02/92	223-92003	1	65.96	<.1	43	<.5	100	39	.038	<.10	7.4	<5100	16000		AD WEISS-2025 MCKINLEY
04/03/92	143-92005	1	69.08	BDL	2.9	BDL	2.7	1.6	BDL	BDL	BDL	BDL	138		OAKRIDGE COUNTRY CLUB
04/03/92	223-92003	1	38.59	<.1	43	<.5	100	39	.038	<.10	7.4	<5100	16000		AD WEISS-2025 MCKINLEY
04/03/92	242-92004	1	50.01	ND	1.5	ND	1.6	7.8	ND	ND	ND	<800	16		ABC SAW CUTTING
04/03/92	276-92001	3	484.84	BDL	9.6	2.9	6.7	3.2	BDL	BDL	2.4	<200	52.4		HIGHWAY OIL-14395 W.DIXIE
04/06/92	143-92005	1	48.19	BDL	2.9	BDL	2.7	1.6	BDL	BDL	BDL	BDL	138		OAKRIDGE COUNTRY CLUB
04/06/92	187-92010	1	0.40	BDL	6.9	BDL	12	5.4	BDL	BDL	BDL	131	56		EXXON 3501 HOLLYWOOD BLVD
04/06/92	187-92011	1	4.58	BDL	2.6	BDL	2.6	4.5	BDL	BDL	BDL	BDL	110		EXXON 4891 N FEDERAL HWAY
04/06/92	187-92012	1	1.45	6.7	22	BDL	45	50	.031	BDL	3.4	BDL	9.8		EXXON 390 NE 8th ST HOM
04/06/92	187-92013	1	2.99	12	6.2	BDL	20	3.0	BDL	BDL	5.1	15800	84		EXXON 17790 COLLINS AVE
04/06/92	276-92001	3	381.81	BDL	9.6	2.9	6.7	3.2	BDL	BDL	2.4	<200	52.4		HIGHWAY OIL-14395 W.DIXIE
04/07/92	106-92123	1	1.40	BDL	8.8	BDL	3.5	3.0	BDL	BDL	BDL	BDL	684		CARPENTER CONTRACTOR 841
04/07/92	106-92124	1	0.01	7.05	71.9	1.38	96.7	<.4	<.05	<.448	1.60	152500	8773		AMOCO - 2081 W. OAKLAND P
04/07/92	106-92125	1	0.27	.68	469	<.8	5.6	5.1	<.05	<.4	4.5	BDL	40		EXXON - 2599 NW 40TH AVE.
04/07/92	106-92126	1	0.16	.71	12.9	<.8	7	<.40	<.05	<.4	<.6	BDL	39		SHELL - 7000 W. COMMERCIA
04/07/92	106-92127	1	6.38	4.99	17.3	<3.96	141	<19.8	<.25	<1.98	<7.9	BDL	<5		APPERSON CHEM-101 NW 13 A
04/08/92	114-92023	1	0.93	BDL	278	BDL	14	32	BDL	BDL	2.8	92000	72000		EAGLE TRANSPORT
04/08/92	114-92024	1	3.79	<.1	2.8	<.5	3.0	3.0	<.03	<.1	<.1	<377	43		BROWARD COUNTY PARKS & RE
04/08/92	253-92005	1	22.57	<.4	5.16	4.52	9.59	34	<.001	<.5	5.77	<9	268		AMOCO-2522 N.E. 2ND AVE.
04/09/92	253-92005	1	15.90	<.4	5.16	4.52	9.59	34	<.001	<.5	5.77	<9	268		AMOCO-2522 N.E. 2ND AVE.

Name of Facility: _____ Month: _____ Year: _____
Air Permit No.: _____
Soil Treatment Permit No.: _____
Stationary _____ or Mobile Facility: _____

1	2	3	4	5										6	7	8	
Day of No.	Soil Batch ID#	Sample Number	Amount, Volume or Weight cy/tn	Analytical Results										Indicate Other Analyses			
				Metals										Totals			Attach Lab Results Only
				As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH				
3/24	111-117	1	.37	2.31	36.2	3.09	7.91	32.3	<.001	.142	2.75	<8	740				
3/26	111-117	1	1.09	2.31	36.2	3.09	7.91	32.3	<.001	.142	2.75	<8	740				
3/24	111-118	1	.61	.0265	<.1	.488	1.25	15.2	.0165	.0205	.325	<8	530				
3/25	111-119	1	37.07	<.4	6	7.96	7.96	15.9	.01	<.5	<.05	<9	57.9				
3/25	106-122	1	.77	.0637	<.33	.257	4.19	8.54	<.025	<.063	<.1	<2471	294.6				
3/26	136-08	1	7.87	1.2	6.9	<.5	9.7	10	<.03	<.10	<.10	BDL	2000				
3/26	111-120	1	.38	.532	<.1	1.71	9.98	38	.0437	.642	2.04	<9*	37.2				
3/26	111-121	1	.58	.732	<.1	1.89	9.27	39	.00752	.0506	2.76	<8	8.2				
3/27	253-02	1	9.52	28.1	5.06	2.82	6.52	40.7	.00782	32.6	.683	<9	<1				
3/27	253-03	1	3.45	.573	11.5	19.9	8.75	50.7	.00185	.0809	3.73	<4	180				
3/27	253-04	1	14.64	<.4	4.94	5.71	10.4	7.24	.00719	<.5	.461	<9	134				
3/27	134-05	1	7.92	BDL	8.0	BDL	2.2	17.0	BDL	BDL	BDL	BDL	8580				
3/27	111-122	1	35.33	1.19	6.06	.916	4.11	34.5	.001	.18	.19	<9	560				
3/27	111-123	1	.62	.0413	10.4	.375	1.08	2.92	.0206	.0743	.416	17.76	22				
3/27	111-124	1	3.12	.005	<.1	1.49	1.04	2.26	.002	.0308	.316	<12.06	720				
3/27	111-125	1	-31	.887	5.15	.845	3.34	27.8	<.001	.213	.59	<8	590				
3/27	134-06	1	14.21	2.7	22.0	2.7	16.0	53.0	BDL	BDL	2.1	1230	112000				
3/27	111-126	1	50.59	.237	12.2	.837	4.79	9.49	.0157	.0668	.948	<9	320				

* See 8/20/92 *Remer ltr*
See reverse side for instructions

Name of Facility: _____
 Air Permit No.: _____
 Soil Treatment Permit No.: _____
 Stationary _____ or Mobile Facility: _____

Month: _____ Year: _____

1	2	3	4	5										6	7	8
Day of Mo.	Soil Batch ID#	Sample Number	Amount, Volume or Weight cy/tn	Analytical Results										Indicate Other Analyses		
				Metals										Totals		Attach Lab Results Only
				As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH			
3/18	102-11	1	4.36	BDL	7.5	1.1	3.1	BDL	BDL	BDL	BDL	BDL	640	23		
3/19	102-11	1	1.45	BDL	7.5	1.1	3.1	BDL	BDL	BDL	BDL	BDL	640	23		
3/19	203-04	1	38.86	<1	3.8	<5	7.4	.82	<.03	<1	<1	BDL	BDL	24		
3/20	203-04	1	60.81	<1	3.8	<5	7.4	.82	<.03	<1	<1	BDL	BDL	24		
3/19	136-06	1	151.58	1.3	5.5	<39	1.6	15	<.03	<1	<.77	BDL	BDL	22.5		
3/19	111-112	1	61.95	.235	2.39	8.98	6.06	60.6	<.001	.0156	1.84	125.77	4844			
3/19	251-02	1	44.95	.59	4.3	.027	1.1	.32	<.01	<.2	<.5	BDL	BDL	22430		
3/19	111-113	1	30.80	.333	14.5	4.48	10.01	30.6	<.001	.117	2.71	4159.24	4563			
3/20	106-121	1	11.47	9.36	<12	<.8	14.8	54.55	.102	<.4	2.24	80L	1326			
3/20	111-114	1	160.34	.0627	7.89	2.97	21.1	33.8	<.001	.0369	.41	20743	2373			
3/23	111-114	1	21.67	.0627	7.89	2.97	21.1	33.8	<.001	.0369	.41	20743	2373			
3/20	136-07	1	117.04	<.75	4.4	<.35	2.8	28	<.03	<.75	<.70	BDL	BDL	3.7		
3/20	273-01	1	2.84	.0677	2.65	.641	3.03	17.9	.0737	.0555	.163	4339.4	230			
3/20	111-115	7	33.10	.753	37.9	14	16.3	11.7	.00589	.199	1.95	<324.1	580			
3/23	160-03	3	197.08	6.3	6.16	<.5	<4.2	<2.63	<.042	<1	<1	<82.6	1773			
3/24	160-03	3	168.57	6.3	6.16	<.5	<4.2	<2.63	<.042	<1	<1	<82.6	1773			
3/25	160-03	3	222.32	6.3	6.16	<.5	<4.2	<2.63	<.042	<1	<1	<82.6	1773			
3/26	160-03	3	111.94	6.3	6.16	<.5	<4.2	<2.63	<.042	<1	<1	<82.6	1773			
3/24	111-116		-35	.259	438	.678	4.89	8.56	.036	.0553	.716	<9	173			

Name of Facility: _____
Air Permit No.: _____
Soil Treatment Permit No.: _____
Stationary _____ or Mobile Facility: _____

[illegible]

Month: March Year: 92

Name of Facility: _____
 Air Permit No.: _____
 Soil Treatment Permit No.: _____
 Stationary _____ or Mobile Facility: _____

1	2	3	4	5	6	7	8								
Day of No.	Soil Batch ID#	Sample Number	Amount, Volume or Weight cy/tn	Analytical Results											
				Metals							Totals		Indicate Other Analyses		
				As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VDA	RPH	Attach Lab Results Only	
3/5	106-119	1	16.89	<1	8.9	<5	<1	4.2	<.03	<1	<1	BDL	<5		
3/6	106-119	1	37.88	<1	8.9	<5	<1	4.2	<.03	<1	<1	BDL	<5		
3/5	114-21	3	336.37	BDL	1.5	BDL	1.23	BDL	.73	BDL	2.07	122183	9460		
3/6	114-21	3	161.46	BDL	1.5	BDL	1.23	BDL	.73	BDL	2.07	122183	9460		
3/5	111-107	1	36.91	.16	11.01	1.78	11.8	21.2	<.001	.0388	1.89	57.94	463		
3/6	259-03	1	43.48	BDL	3.4	BDL	BDL	BDL	BDL	BDL	1.9	BDL	105		
3/6	111-103	1	40.35	26.7	3.63	1.69	5.29	37.9	.00249	32	.618	<8	11.6		
3/6	111-106	1	61.78	.764	<1	5.53	11.5	61.6	<.001	.0352	4.25	<8	244		
3/9	111-105	1	45.60	.225	<1	9.55	11.7	71.4	.0292	.242	1.73	999.9	601		
3/9	190-08	1	28.03	BDL	24.5	BDL	3.7	5.2	BDL	BDL	BDL	600	47		
3/10	190-08	1	28.87	BDL	24.5	BDL	3.7	5.2	BDL	BDL	BDL	600	47		
3/10	111-109	1	2.23	.601	6.07	1.62	9.64	46.7	.0257	.0634	.579	<9	150		
3/11	111-110	1	33.68	.213	3.85	1.85	3.22	5.85	.0108	.163	.282	<1919.9	575		
3/11	253-01	1	2.64	1.49	14.8	5.36	6.3	38.7	.00375	.0519	3.9	<8	30.4		
3/13	106-120	1	20.41	BDL	55.2	BDL	5.3	1.3	BDL	BDL	BDL	BDL	20		
3/17	203-02	1	11.42	<1	22	<5	7	55	<.03	<1	<1	2000	2100		
3/17	203-03	1	2.86	<1	7.8	<5	4.4	4.1	<.03	<1	<1	2000	1200		
3/17	143-04	3	244.04	BDL	5.5	BDL	5.3	59.7	.07	BDL	BDL	450	1789		
3/18	143-04	3	68.05	BDL	5.5	BDL	5.3	59.7	.07	BDL	BDL	450	1789		
3/18	111-111	1	46.46	1.3	4.02	3.9	20.7	61	<.001	.0517	2.85	29*	2269		

* See 8/20/92 Rincker Ltr. See reverse side for instructions

Month: March Year: 12

Name of Facility: _____
 Air Permit No.: _____
 Soil Treatment Permit No.: _____
 Stationary _____ or Mobile Facility: _____

1	2	3	4	5										6	7	8	
Day of Mo.	Soil Batch ID#	Sample Number	Amount, Volume or Weight cy/tn	Analytical Results										Indicate Other Analyses			
				Metals										Totals			Attach Lab Results Only
				As	Ba	Cd	Cr	Pb	Hg	Se	Ag	VOA	RPH				
2/28	106-112	1	57.95	<.40	18	<.8	7.6	37.6	.12	<.4	<1.6	BDL	1490				
2/28	106-113	4	25.39	BDL	2.83	BDL	.45	.48	BDL	BDL	1.3	BDL	28.98				
3/6	106-113	4	101.67	BDL	2.83	BDL	.45	.48	BDL	BDL	1.3	BDL	28.98				
2/28	209-01	1	8.91	2.5	27	2.4	14.0	27	BDL	BDL	BDL	BDL	24400				
3/2	270-01	1	10.60	.307	9.23	3	5.4	31.9	.0515	.0358	2.91	<.9	<1				
3/2	270-02	1	11.94	.457	<.1	2.00	6.25	33.5	.0382	.0463	1.97	<.9	200				
3/3	102-10	1	56.65	2.7	32	1.8	6.4	14.3	BDL	BDL	2.1	BDL	23				
3/3	114-22	1	18.23	BDL	2.8	BDL	1.1	BDL	BDL	BDL	BDL	BDL	20				
3/3	111-108	1	191.44	.211	4.9	1.29	4.99	31.9	.00607	.0662	.579	<.9	25.3				
3/4	187-02	1	.57	BDL	15.9	BDL	7.0	3.4	BDL	BDL	BDL	BDL	374				
3/4	187-08	1	.50	BDL	8.8	BDL	1.7	1.4	BDL	BDL	BDL	320	16				
3/4	187-09	1	2.07	BDL	26	BDL	3.6	BDL	BDL	BDL	BDL	4660	259				
3/4	272-01	3	37.68	<.79	14.9	<.8	<.8	<.4	<.061	<.598	<1.6	BDL	<37.3				
3/6	272-01	3	22.39	<.79	14.9	<.8	<.8	<.4	<.061	<.598	<1.6	BDL	<37.3				
3/4	106-114	1	1.73	1.98	117	<.8	5.2	14.4	<.05	<.4	3.32	BDL	<.5				
3/4	106-115	1	1.36	<.4	78.8	<.8	<.4	6	<.05	<.4	<1.6	BDL	60				
3/4	106-116		.84	<.4	56.4	<.3	<.4	<.4	<.05	<.4	<1.6	BDL	<.5				
3/4	106-117	1	.31	2.1	2.9	<.5	4.4	.95	<.03	<.10	<1.0	BDL	28				
3/4	106-118	1	3.22	.940	5.2	BDL	3.7	.17	BDL	.480	.390	BDL	6				

FACSIMILE**Rinker Materials****TRANSMISSION**Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182P.O. Box 650679
Miami, FL 33265-0679

M A T E R I A L S S U B S T I T U T I O N

FAX # 305-220-9875

WE ARE TRANSMITTING 6 PAGES INCLUDING COVER SHEETTO: 1-407-433-2666 DATE: 8/6/92ATTENTION: Lee Martin FROM: D. May*Lee: Attached is analysis for**Batch (278-92004) received on
April 27 w/ April 28.**From the analysis, the Mercury value
(<0.1 ppm) and Lead (68 ppm) were
transposed in the report.**Please let me know if you have
further questions.**Thanks**See 8/4/92 Inspection Report
WSM**Dave.*

41/12/34 15:46

METROPOLITAN DADE COUNTY, FLORIDA



METRO-DADE CENTER

ENVIRONMENTAL RESOURCES MANAGEMENT

SUITE 1010

111 N.W. 1st STREET

MIAMI, FLORIDA 33120-1871

(305) 375-3376

April 27, 1992

J. Fett
Florida underground
5000 Oakes Road
Suite F
Ft. Lauderdale, FL 33314

RE: Disposal of twenty (20) tons of contaminated material from recent excavations at West Palm Beach Water Department, 1915 N. Haverhill Road, West Palm Beach, Florida.

Dear Mr. Fett:

Based upon the data submitted to this office on April 24, 1992, the subject material meets the F.A.C. 17-775.400(4) for metals and does not appear to be a hazardous waste according to applicable RCRA regulations. Therefore, DERM has no objection to transportation of the material to the Rinker Materials Rotary Kiln facility for beneficial reuse and recycle into the cement manufacturing process.

It should be noted that this approval is valid for sixty (60) days for the referenced materials only. The enclosed "Solid Waste Disposal Certification" form must be completed and returned to this office within ten (10) days of the materials' arrival at the facility in order to close our files on this subject.

Please contact Mike Vardeman at 221-7645 to make disposal arrangements.

Sincerely,

Lori Cunliff, Manager
Solid Waste Program
Pollution Prevention and
Control Division

PL:ml:1887

Enclosure

pc: M. Vardeman, Rinker Materials



Laboratories, Inc.

FORT LAUDERDALE - SAVANNAH

-CERTIFICATIONS-

EPA: #FLO95

FL DRINKING WATER: #88144

FL ENVIRONMENTAL: #E86000

GA # 828

SC # 96015

CLIENT:US ENVIRONMENTAL GR.

SAMPLE:003-042392/ 922666 SS-1

DATA FILE:>42313::D4

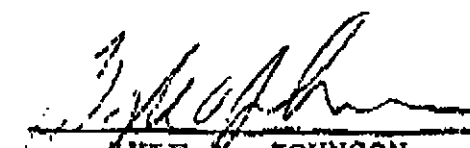
DATE ANALYZED: 4/23/92 21:54

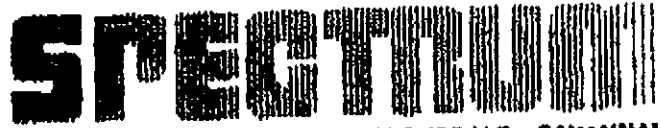
DILUTION FACTOR: 5.00000

EPA METHOD 8020 - PURGEABLE AROMATICS

CAS No.	PARAMETER	CONCENTRATION (ug/kg)	*MDL (ug/kg)
4-43-2	BENZENE	0.00	(1.00)
68-90-7	CHLOROBENZENE	0.00	(1.00)
5-50-1	O-DICHLOROBENZENE	0.00	(1.00)
11-73-1	M-DICHLOROBENZENE	0.00	(1.00)
106-46-7	P-DICHLOROBENZENE	0.00	(1.00)
100-41-1	ETHYLBENZENE	0.00	(1.00)
109-06-8	2-PICOLINE	0.00	(25.0)
100-86-1	PYRIDINE	0.00	(50.0)
100-42-5	STYRENE	0.00	(1.00)
106-88-3	TOLUENE	0.00	(1.00)
108-38-3	THIOPHENOL	0.00	(50.0)
130-20-7	TOTAL XYLENES	0.00	(1.00)

* ACTUAL DETECTION LIMIT = METHOD DETECTION LIMIT x DILUTION FACTOR
 A value of 0.0 = BMDL (BELOW METHOD DETECTION LIMIT)


 LYLE R. JOHNSON - Chemist



Laboratories, Inc.

FORT LAUDERDALE - SAVANNAH

CLIENT US ENVIRONMENTAL
SAMPLE LOCATION 922666/SS-1
SAMPLE NUMBER 003-042392
DATE RECEIVED 04/23/92
DATE SAMPLED 04/23/92
SAMPLE TYPE SOIL
SUBMITTER ROSE CONIGLIO

DATE REPORTED: 04/24/92
EPA: # FLOPS
FL DRINKING WATER: # 85144
FL ENVIRONMENTAL: # 886006
GEORGIA: # 828
SOUTH CAROLINA: # 96015

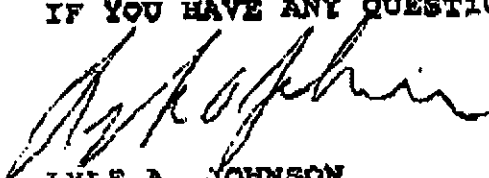
TEST

RESULTS

EPA 8010
AROM VOL ORGAN EPA 8020
TRPH IN SOLID EPA 9073
TOT ORGANIC HALIDES 9020
ARSENIC, T 3050/7060
BARIUM, T 3050/7080
CADMIUM, T 3050/7131
CHROMIUM, T 3050/7191
MERCURY, T 7471
LEAD, T 3050/7421
SELENIUM, T 3050/7740
SILVER, T 3050/7760

NEGATIVE
NEGATIVE
1664MG/KG
<1.0 MG/L
1.40 MG/KG D.W.
<5.0 MG/KG D.W.
<0.5 MG/KG D.W.
7.60 MG/KG D.W.
<0.1 MG/KG D.W.
68.00 MG/KG D.W.
.30 MG/KG D.W.
2.000 MG/KG D.W.

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT ME.


LYLE A. JOHNSON
CHEMIST

SPECTRA

Laboratories, Inc.

FORT LAUDERDALE • SAVANNAH

CLIENT: US ENVIRONMENTAL GR.

SAMPLE: 003-042392/ 922666 SS-1

DATA FILE: >42313::D4

DATE ANALYZED: 4/23/92 21:54

DILUTION FACTOR: 5.00000

-CERTIFICATIONS-

EPA: #FLO95

FL DRINKING WATER: #86144

FL ENVIRONMENTAL: #286006

GA # 828

SC # 96015

EPA METHOD 8010 - PURGEABLE HALOCARBONS

GAS NO.	PARAMETER	CONCENTRATION (ug/kg)	*MDL (ug/kg)
1000	ALLYL CHLORIDE	0.00	1.00
1001	BENZYL CHLORIDE	0.00	1.00
1002	BROMOACETONE	0.00	1.00
1003	BROMOBENZENE	0.00	1.00
1004	BROMODICHLOROMETHANE	0.00	1.00
1005	BROMOETHANE	0.00	1.00
1006	BROMOFORM	0.00	1.00
1007	CARBON TETRACHLORIDE	0.00	1.00
1008	CHLOROBENZENE	0.00	1.00
1009	CHLOROETHANE	0.00	1.00
1010	2-CHLOROETHYL VINYLETHYER	0.00	1.00
1011	CHLOROFORM	0.00	1.00
1012	CHLOROMETHANE	0.00	1.00
1013	CHLOROMETHYLMETHYLETHYER	0.00	1.00
1014	CHLOROPRENE	0.00	1.00
1015	4-CHLOROTOLUENE	0.00	1.00
1016	DIBROMOCHLOROMETHANE	0.00	1.00
1017	1,2-DIBROMO-3-CHLOROPROPANE	0.00	1.00
1018	DIBROMOMETHANE	0.00	1.00
1019	O-DICHLOROBENZENE	0.00	1.00
1020	M-DICHLOROBENZENE	0.00	1.00
1021	P-DICHLOROBENZENE	0.00	1.00
1022	1,4-DICHLORO-2-BUTENE	0.00	1.00
1023	DICHLORODIFLUOROMETHANE	0.00	1.00
1024	1,1-DICHLOROETHANE	0.00	1.00
1025	1,2-DICHLOROETHANE	0.00	1.00
1026	1,1-DICHLOROETHENE	0.00	1.00
1027	1,2-DICHLOROETHENE	0.00	1.00
1028	1,1,2-DICHLOROPROPANE	0.00	1.00
1029	1,2,3-DICHLOROPROPANE	0.00	1.00
1030	1,3-DICHLOROPROPENE	0.00	1.00
1031	1,3-DICHLOROPROPENE	0.00	1.00
1032	EPICHLORHYDRIN	0.00	1.00
1033	ETHYLENE DIBROMIDE	0.00	1.00
1034	METHYL IODIDE	0.00	1.00
1035	1,1,2,2-TETRACHLOROETHANE	0.00	1.00
1036	1,1,1,2-TETRACHLOROETHANE	0.00	1.00
1037	TETRACHLOROETHENE	0.00	1.00
1038	1,1,1-TRICHLOROETHANE	0.00	1.00
1039	1,1,2-TRICHLOROETHANE	0.00	1.00
1040	TRICHLOROETHENE	0.00	1.00
1041	TRICHLOROFUOROMETHANE	0.00	1.00
1042	1,1,2-TRICHLOROPROPANE	0.00	1.00
1043	VINYL CHLORIDE	0.00	1.00

*MDL = ACTUAL METHOD DETECTION LIMIT = MDL X DILUTION FACTOR
 BMDL = A 0.0ug/l value

[Signature]
 LYLE A. JOHNSON - Chemist

FROM DON & SONS

04.27.1992

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SPECTRUM LABORATORIES / P. I. LAB

001

44-42 10:23

QUALITY ASSURANCE CERTIFICATION
(Please complete the appropriate section(s))

A. Laboratory Certification

Pursuant to the requirements set forth in FDCA's chapter 17-

775, F.A.C. Spectrum 1460 W. McNab Road, Ft. Lauderdale, FL.
(Laboratory) (Laboratory Address)herewith submit analytical results for Soil
W.P.B. H&O Dept. (Material)from Haverhill / Oklawaha and represented by 1
(Site) (Number of Samples)and referenced to lab number/date 003-042392 4/28/92.All analysis was performed according to all the applicable
parameters of 17-775.410 "Soil Sampling and Analysis."Laboratory Quality Assurance No. 870206GAuthorized Signature [Signature]Date 4/24/92**B. Field Service Certification**

Pursuant to the requirement set forth in FDCA's chapter 17-

775 F.A.C., U.S. Environmental Group, Inc.
(Field Service Organization)6325 NW 9th Ave Suite 201, Ft. Lauderdale, FL herewith attest that the
(Field Service Organization Address) W.P.B. H&O Dept.Soil from Haverhill / Oklawaha
(Material) (Site)is represented by 1
(Number of Samples)All sampling was performed according to all the applicable
parameters of 17-775.410 "Soil Sampling and Analysis."Field Service Quality Assurance No. 910229GAuthorized Signature [Signature]Date 4/24/92

NOTE: Please provide a copy of the Quality Assurance Plan
approval letter issued by Florida Department of
Environmental Regulation, Quality Assurance Section.