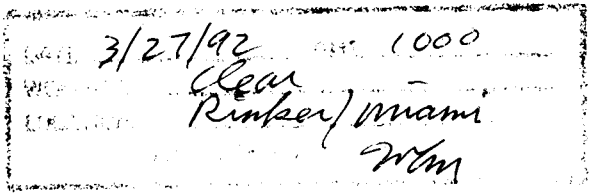

3/27/92
1000
Clear
Rinser/Miami
WM


CAUTION

8/7/92 03

Leachate collection

ALLA + TANK

Florida Department of
Environmental Protection

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

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

SEP. 24 1993

Mr. James S. Jenkins, III
Rinker Material Corporation
P.O. Box 24635
West Palm Beach, FL 33416-4635

RE: Soil Thermal Treatment Facility Inspection
1200 NW 137th Ave, Miami, Fl
General Permit No. SO13-195017

Dear Mr. Jenkins,

A Soil Thermal Treatment Facility (STTF) Compliance inspection was completed by the Department at the referenced facility on August 31, 1993. Some operational changes were noted and one STTF issue required additional clarification.

The operational changes noted involved the storing, handling, cleaning, and disposal of 55 gallon drums containing contaminated soil and/or drill cuttings. Mr. Marple described the procedural changes as an effort to improve efficiency and decrease processing delays in the receiving area of the contaminated soil storage facility (SSF). He stated, under the new procedure, drums containing contaminated soils (primarily drill cuttings) are temporarily stored in the SSF and emptied between off-loading of trucks/trailers, but at least by the end of each day. The empty drums are then washed/rinsed at Rinker's drum wash area, before crushing, with final disposition through a scrap dealer. The wash/rinse water is collected and used as slurry makeup water for the kiln and any sediment form the drum wash area is collected and placed in the SSF for processing with other contaminated soils.

The issue requiring clarification involved the acceptance of contaminated soils containing Volatile Organic Halocarbons (VOH). Mr. Marple was aware of a previous draft policy memo which allowed low levels of VOH in untreated soils; however, the final approved policy changed the criteria to 1 ppb or the detection limit, whichever is greater. This policy may be changed by rule amendment in the future to allow low levels of VOH; however, in the interim the 1 ppb or detection limit should be followed. This has been discussed with Mr. Marple, who indicated Rinker will revise their acceptance criteria to follow Department policy pending future rule amendments.

After review of the Notice of Intent to Use General Permit to Construct/Operate a Soil Thermal Treatment Facility application package (permit no. SO13-195017), it has been determined the storing, handling, cleaning, and disposal of drums of contaminated soils was not previously considered and should be described in a modification to the permit due to the potential to spread contamination. Information should be submitted which provides reasonable assurance that precautions, facility/equipment controls, or procedures have been implemented which controls the potential to spread contamination to previously uncontaminated areas. This could be included in the modification, currently under development, which intends to address relocation of the SSF leachate holding tank and processing of low level PCB contaminated soils.

If you have any questions concerning these issues, please contact Lee Martin at 407-433-2650.

Sincerely,

Vivek Kamath

Vivek Kamath, P.E.
Waste Programs Administrator

cc: T. Conrardy, DEP/BWC, Tallahassee
R. Johns, DERM, Miami
WPB File

Florida Department of
Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

SOIL THERMAL TREATMENT FACILITY INSPECTION REPORT

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

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

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

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

COUNTY Dade **PHONE** 305- 221-7645 **DATE** 8/31/93 **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:** _____ 17-2, F.A.C. _X_ 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 James Harmon, FDER
Dave Marple, Rinker Materials

9. **FACILITY LATITUDE** 25°46'57" conf. **LONGITUDE** 80°25'20" conf. 8/31

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

A 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 specific conditions from Metro Dade Department of Resource Management (DERM), soils are brought by truck to the new soil storage facility. All materials accepted by Rinker no longer receive approval from DERM in the form of a standardized form letter. DERM has granted approval authority to Rinker, subject to specific conditions in their solid waste permit. At the time of the inspection the new soil storage facility is in use and the old temporary soil storage facility has been closed. Contaminated soils had been removed from the perimeter of the old facility concrete slab and a closure plan had been prepared which included soil sampling for confirmation and continued groundwater sampling from the four wells around the slab for two quarters before closure approval. The data was reviewed and the ground water monitoring plan modified to reflect the closure in January 1993. 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, (4) using spent petroleum catalyst as an aluminum source, and (5) 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 ^{o} 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 a preliminary kiln and afterburner first, then go through the cement kiln. Currently the preliminary kiln or stone dryer in undergoing modification which will replace the baghouse nomex bags with stainless steel bags. 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 Northeast corner of the facility and emptied at the end of each

day. 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 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 and a permit modification is in draft to relocate the leachate tank outside the Southeast corner of the facility. No standing water was observed around the perimeter on the Northeast corner of the facility on this visit. An additional interior concrete curb, with a water stop, sloping away from the Northeast front wall toward the interior of the facility has been installed.The previous 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 present. This should be watched in the future. The points along the outside wall approximately two feet off the floor previously discharging small quantities of water around previously plugged holes appear to have subsided. 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.

The improved screening capability and metal removal by magnetic methods remain in operation. 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 several batches of untreated soils was received between 6/08/93 and 7/30/93 which exceeded the clean soil criteria for metals; however, TCLP analyses were provided which confirms soils were non-toxic and blending records were provided as required by 17-775.400(4), FAC, which confirms blended soils comply with total metals standards. Sporatic batches (six over the previous eight months) of untreated soils exhibited total VOH above the current policy but within a previous draft policy; this has been clarified and Rinker agrees to follow the current policy of 1ppb or the detection limit whichever is greater. One batch of treated soils (week of 5/3-5/9) reported arsenic levels above the clean soil criteria; however, this was identified as an erroneous entry (see Rinker ltr, August 8, 1993). No treated soils analyzed since the last visit through August 15, 1993 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 N.W. 137th AVE, MIAMI, FL 33182
General Permit No. SO 13-195017 Date of Inspection 8/31/93
Contact Person DAVE MARPLE
Person Completing Report LEE MARTIN / JIM HARMON

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? (ALTERNATE)
✓		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 1/26/93 end date 7/30/93
✓		11.	Are treated soil reporting forms being properly completed? starting date 2/8/93 end date 8/15/93

12. Indicate frequency clean soil criteria is being met?
    a. 57 % TRPH - 10 mg/kg, or
    b. 43 % 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 159000 mg/kg, median 4883 mg/kg
    b. VOA BDL mg/kg to 95000 mg/kg, median 855 mg/kg
    c. Arsenic BDL mg/kg to 61 mg/kg
    d. Barium BDL mg/kg to 610 mg/kg
    e. Cadmium BDL mg/kg to 17 mg/kg
    f. Chromium BDL mg/kg to 490 mg/kg
    g. Lead BDL mg/kg to 550 mg/kg
    h. Mercury BDL mg/kg to 6.2 mg/kg
    i. Selenium BDL mg/kg to 52 mg/kg
    j. Silver BDL mg/kg to 13.3 mg/kg

14. Indicate ranges and approximate median values of treated soil analyses for the following parameters.
    a. TRPH BDL mg/kg to 357 mg/kg, median 10.2 mg/kg
    b. VOA BDL mg/kg to BDL mg/kg, median BDL mg/kg
    c. Arsenic BDL mg/kg to 3.1 mg/kg
    d. Barium 17 mg/kg to 63.8 mg/kg
    e. Cadmium BDL mg/kg to BDL mg/kg
    f. Chromium BDL mg/kg to 26 mg/kg
    g. Lead BDL mg/kg to 19 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 3.7 mg/kg
    k. PAH's BDL mg/kg to BDL mg/kg
    i. VOH's BDL mg/kg to BDL mg/kg

Comments: Treated soil elevated arsenic on 5/3-5/9 (20.1ppm) but error in translation, should have been BDL. Untreated soils several exceedances of VOH policy and elevated levels of metals; however TCLP accomplished first and blending records included as required.

William L. Martin
Signature

9/13/93
Date

Rinker

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650879
Miami, FL 33265-0879

Facsimile (305) 223-5403
Telephone (305) 221-7645

August 8, 1993

Department of Environmental Protection
1900 South Congress Avenue
Suite - A
West Palm Beach, Florida 33406

Attn: Lee Martin

Dear Lee:

In regard to your question on the arsenic reported on clinker sample for week of 5/3/93 thru 5/9/93 the result of 20.1 ppm was not correct.

After checking with our Lab (VOC Analytical) the value of 20.1 ppm should have been BDL for this composite sample.

According to the Lab the value (20.1) was erroneously reported during the transition from the collection of the analytical data to the final report that Rinker received.

We appreciate you bringing this to our attention. If you have any further questions, please let me know.

Sincerely,

Dave Marple

Kahn - DEP

Rinker

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650679
Miami, FL 33265-0679

Facsimile (305) 223-5403
Telephone (305) 221-7645

May 6, 1993

Metro-Dade County
Environmental Resource Management
33 S.W. 2ND Avenue
Miami, Florida 33131

Attn: Robert E. Johns, Chief
Hazardous Waste Section
Pollution Prevention Division

Dear ~~Mr~~. Robert:

Rinker is in the process of adding new raw material sources for the alumina constituents required to produce portlant cement. These new materials are rejected and spent catalyst recovered from various petroleum production facilities.

As was our previous agreement with your department, we are providing representative analysis of the new raw materials and will be commencing the receipt of these materials on or about June 1, 1993.

Your acknowledgement of our notice to utilize these raw materials would be appreciated.

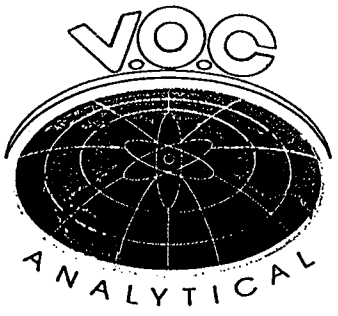
Sincerely,

Dave Marple

Rec'd
6/1/93
DERM

CC JOE KAHN
- cement TCLP
- SLAG Replacement
INFO

OUR QUALITY CONTROL IS YOUR QUALITY ASSURANCE



CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN
SAMPLE DESCRIPTION: RINKER MATERIALS

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PAGE: 1
DATE: 04-13-1993
LOG #: 4841-1

LABEL: HESS CAT
DATE SAMPLED: 04/02/93 ñ
DATE RECEIVED: 04/02/93
COLLECTED BY: CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
EPA 8021 in soil		mg/kg	5030/8021		04/06/93	04/06/93	GP
Bromodichloromethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Bromoform	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Bromomethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Carbon Tetrachloride	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Chloroethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Cis-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Chloroform	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Chloromethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Dibromochloromethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,2-Dichlorobenzene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,3-Dichlorobenzene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,4-Dichlorobenzene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Dichlorofluoromethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Chlorobenzene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Vinyl Chloride	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,1-Dichloroethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,2-Dichloroethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,1-Dichloroethene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Trans-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,2-Dichloropropane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Cis,-1,3-Dichloropropene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Trans-1,3-Dichloropropen	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Methylene Chloride	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,1,2,2-Tetrachloroethan	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Tetrachloroethene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,1,1-Trichloroethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
1,1,2-Trichloroethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Trichloroethene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Trichlorofluoromethane	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Benzene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Toluene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
MTBE	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Ethyl Benzene	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP
Total Xylenes	BDL	mg/kg	5030/8021	0.05	04/06/93	04/06/93	GP

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN
SAMPLE DESCRIPTION: RINKER MATERIALS

PAGE: 1
DATE: 04-13-1993
LOG #: 4841-2

LABEL: EXXON CAT
DATE SAMPLED: 04/02/93
DATE RECEIVED: 04/02/93
COLLECTED BY: CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
EPA 8021 in soil		mg/kg	5030/8021		04/06/93	04/06/93	GP
Bromodichloromethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Bromoform	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Bromomethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Carbon Tetrachloride	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Chloroethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Cis-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Chloroform	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Chloromethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Dibromochloromethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,2-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,3-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,4-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Dichlorofluoromethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Chlorobenzene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Vinyl Chloride	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,1-Dichloroethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,2-Dichloroethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,1-Dichloroethene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Trans-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,2-Dichloropropane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Cis,-1,3-Dichloropropene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Trans-1,3-Dichloropropen	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Methylene Chloride	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,1,2,2-Tetrachloroethan	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Tetrachloroethene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,1,1-Trichloroethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
1,1,2-Trichloroethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Trichloroethene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Trichlorofluoromethane	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Benzene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Toluene	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
MTBE	BDL	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Ethyl Benzene	0.3	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP
Total Xylenes	0.5	mg/kg	5030/8021	0.125	04/06/93	04/06/93	GP

Jeffrey S. Glass
Laboratory Director

4841-1

RECEIVED
SEP - 7 1993
DEPT. OF ENV. PROTECTION
WEST PALM BEACH

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN
SAMPLE DESCRIPTION: RINKER MATERIALS

PAGE: 1
DATE: 04-26-1993
LOG #: 5058-1

LABEL: HESS CAT
DATE SAMPLED: 04/02/93
DATE RECEIVED: 04/16/93
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
TCLP Silver	BDL	mg/l	1311/7760	0.1	04/19/93	04/23/93	JK
TCLP Arsenic	BDL	mg/l	1311/7061	0.10	04/19/93	04/21/93	JK
TCLP Barium	0.44	mg/l	1311/7080	0.10	04/19/93	04/21/93	JK
TCLP Cadmium	BDL	mg/l	1311/7130	0.10	04/19/93	04/21/93	JK
TCLP Chromium	BDL	mg/l	1311/7190	0.10	04/19/93	04/21/93	JK
TCLP Mercury	BDL	mg/l	1311/7471	0.001	04/19/93	04/21/93	JK
TCLP Lead	BDL	mg/l	1311/7420	0.10	04/19/93	04/21/93	JK
TCLP Selenium	BDL	mg/l	1311/7741	0.010	04/19/93	04/21/93	JK
TCLP Extraction	DONE	---	1311		04/19/93	04/19/93	JK
TCLP Copper	BDL	mg/l	1311/7210	0.20	04/19/93	04/20/93	JK
TCLP Nickel	0.16	mg/l	1311/7520	0.20	04/19/93	04/20/93	JK
TCLP Zinc	0.13	mg/l	1311/7950	0.20	04/19/93	04/23/93	JK
TCLP Molybdenum	0.11	mg/l	1311/7480	0.10	04/19/93	04/22/93	JK
TCLP Vanadium	0.12	mg/l	1311/7911	0.10	04/19/93	04/26/93	JK
TCLP Titanium	BDL	mg/l	1311/	0.10	04/19/93	04/26/93	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

5058-1

877 Northwest 61st Street, Suite 202, Fort Lauderdale, FL 33309 (305) 938-8823 Fax (305) 938-9558

RECEIVED

SEP - 7 1993

DEPT. OF ENV. PROTECTION
WEST PALM BEACH

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN
SAMPLE DESCRIPTION: RINKER MATERIALS

PAGE: 2
DATE: 04-13-1993
LOG #: 4841-2

LABEL: EXXON CAT
DATE SAMPLED: 04/02/93
DATE RECEIVED: 04/02/93
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Dilution Factor	1	mg/kg	5030/8021	.	04/06/93	04/06/93	GP
Silver	BDL	mg/kg	3050/7760	1.0	04/05/93	04/06/93	JK
Arsenic	1.6	mg/kg	3050/7061	1.0	04/05/93	04/06/93	JK
Barium	BDL	mg/kg	3050/7080	1.0	04/05/93	04/06/93	JK
Cadmium	BDL	mg/kg	3050/7130	1.0	04/05/93	04/06/93	JK
Chromium	BDL	mg/kg	3050/7190	1.0	04/05/93	04/06/93	JK
Mercury	BDL	mg/kg	3050/7471	0.1	04/05/93	04/12/93	JK
Lead	33.1	mg/kg	3050/7420	1.0	04/05/93	04/06/93	JK
Selenium	BDL	mg/kg	3050/7741	1.0	04/05/93	04/06/93	JK
Acid Digestion	DONE	---	3050		04/05/93	04/05/93	JK
Copper	BDL	mg/kg	3050/7210	1.0	04/05/93	04/08/93	JK
Molybdenum	BDL	mg/kg	3050/7480	1.0	04/05/93	04/09/93	JK
Nickel	1.6	mg/kg	3050/7520	1.0	04/05/93	04/08/93	JK
Titanium	BDL	mg/kg	3050/	1.0	04/05/93	04/12/93	JK
Zinc	1.7	mg/kg	3050/7950	1.0	04/05/93	04/08/93	JK
PERCENT WATER	19.5	%	N/A	1.0	04/08/93	04/08/93	JV
TRPH	4.3	mg/kg	9073	2.7	04/06/93	04/07/93	JV
Total Halogens	202	mg/kg	5050/9252	12	04/07/93	04/07/93	JV
Vanadium	BDL	mg/kg	3050/7911	1.0	04/05/93	04/12/93	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

ISLANDS
LA
PA
TEXAS

~~3%~~ OF PRODUCT

FOR REPLACEMENT OF:
BOXITE
SLAG
STERLITE

4841-2

RECEIVED

SEP - 7 1993

DEPT. OF ENV. PROTECTION
WEST PALM BEACH

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN
SAMPLE DESCRIPTION: RINKER MATERIALS

ñ
PAGE: 1
DATE: 04-26-1993
LOG #: 5058-2

LABEL: EXXON CAT
DATE SAMPLED: 04/02/93 ñ
DATE RECEIVED: 04/16/93
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
TCLP Silver	BDL	mg/l	1311/7760	0.1	04/19/93	04/23/93	JK
TCLP Arsenic	BDL	mg/l	1311/7061	0.10	04/19/93	04/21/93	JK
TCLP Barium	BDL	mg/l	1311/7080	0.10	04/19/93	04/21/93	JK
TCLP Cadmium	BDL	mg/l	1311/7130	0.10	04/19/93	04/21/93	JK
TCLP Chromium	BDL	mg/l	1311/7190	0.10	04/19/93	04/21/93	JK
TCLP Mercury	BDL	mg/l	1311/7471	0.001	04/19/93	04/21/93	JK
TCLP Lead	0.31	mg/l	1311/7420	0.10	04/19/93	04/21/93	JK
TCLP Selenium	BDL	mg/l	1311/7741	0.010	04/19/93	04/21/93	JK
TCLP Extraction	DONE	---	1311		04/19/93	04/19/93	JK
TCLP Copper	BDL	mg/l	1311/7210	0.20	04/19/93	04/20/93	JK
TCLP Nickel	BDL	mg/l	1311/7520	0.20	04/19/93	04/20/93	JK
TCLP Zinc	BDL	mg/l	1311/7950	0.20	04/19/93	04/23/93	JK
TCLP Molybdenum	BDL	mg/l	1311/7480	0.10	04/19/93	04/22/93	JK
TCLP Vanadium	BDL	mg/l	1311/7911	0.10	04/19/93	04/26/93	JK
TCLP Titanium	BDL	mg/l	1311/	0.10	04/19/93	04/26/93	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

5058-2

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OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- **Complete items 1, 2, 3, and 4 on the reverse.**
- **Attach to front of article if space permits, otherwise affix to back of article.**
- **Endorse article "Return Receipt Requested" adjacent to number.**

RECEIVED

AUG 17 1993

DEPT. OF ENV. PROTECTION
WEST PALM BEACH

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

F.D.E.P., SOUTHEAST DISTRICT
P.O. BOX 15425
WEST PALM BEACH FL 33416

Attn: Margarita C. Gomez (Paul W.)

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Mr. Mike Vardeman
Rinker Materials Corp.
1200 N.W. 137th Ave.
Miami, FL 33182

4. Article Number
P724309160

Type of Service:
- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Address
X Dawn Perkins

6. Signature — Agent
X

7. Date of Delivery
8/13

8. Addressee's Address *(ONLY if requested and fee paid)*

PS Form **3811**, Mar. 1988 * U.S.G.P.O. 1988-212-865 **DOMESTIC RETURN RECEIPT**

Florida Department of
Environmental Protection

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

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

AUG 1 1 1993

Mr. Mike Vardeman
Rinker Materials Corporation
1200 Northwest 137th Avenue
Miami, Florida 33182

Dear Mr. Vardeman:

RE: Rinker Materials Corporation Notice of Intent To Use The General Permit To Construct/Operate A Soil Thermal Treatment Facility

The permit application submitted on August 10, 1993 and $500.00 application fee check is hereby being returned to you. This was discussed today with David Marple of your office. The permit application was so incomplete that if we were to accept it with the permit application fee, we would have no recourse other than to deny it and keep the fee.

Should you have questions, please call me at 407/433-2650.

Sincerely,

Paul Alan Wierzbicki, P.G.
Waste Cleanup Supervisor
Waste Programs

cc: West Palm Beach DER files

8/10 Paul W.

Florida Department of Environmental Regulation

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

Permit Data Form

Project Source Name _____

Type Code _____ Subcode _____ Check if: ☐ GP ☐ Exempt

Correct Fee _____

Amount Received 500.00

Permit Processor's Initial _____ Data Entry Operator's Initial _____

Amount Refund _____

Comments:

Returned 8/11/93

Rinker

63-568
631

BARNETT BANK
CALHOUN AT JEFFERSON ST.
TALLAHASSEE, FL 32301

048791

P.O. BOX 24635
WEST PALM BEACH, FL 33416-4635
PHONE (407) 833-5555

DATE	CHECK NO.	NET AMOUNT
07/20/93	0004879 1	********500.00

PAY **********
FIVE HUNDRED AND 00/100

RINKER MATERIALS CORPORATION

TO THE ORDER OF
FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
1200 SOUTH CONGRESS AVENUE
WEST PALM BEACH FL 33406

Rinker

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650679
Miami, FL 33265-0679

Facsimile (305) 223-5403
Telephone (305) 221-7645

Paul -
Let's discuss

March 18, 1993

Department of Environmental Regulation
1900 South Congress Avenue
Suite A
West Palm Beach, FL 33406

Attn: Mr. William Lee Martin

Dear Lee:

In response to your inquiry concerning the receipt of soils containing 78.7 ppm, Cadmium, we indeed did accept this material on November 13, 1992.

This situation was produced by an oversight, or misread in our analytical review process.

The total amount of soils received from this particular project was 12.19 Tons.

In addition to the soils mentioned above we also received 98.75 Tons of soils with Cadmium levels of less than .8 ppm.

Based upon the total soils receipts for November 13, 1992 and their respective analysis (see aattached), the cadmium level being introduced into our process would not have exceeded 8.7 parts per million.

We have initiated a "double-check" procedure on all preburn analysis to prevent this problem from reoccuring.

Thank you for bringing this problem to our attention, and please let us know if you have any further questions or suggestions.

Sincerely,

Dave Marple

DM/mr
cc Michael Vardeman

Florida D
Southeast Di
Lawton Chiles, Governo

JAN. 05 1993

Mr. James Jenkins
Rinker Materials Corpora
P.O. Box 24635
West Palm Beach, Fl 334

RE: Modification of Gen
Rinker Materials Co
1200 NW 137th Av
Miami, Fl 33182

Dear Mr. Jenkins,

The Department has reve
(GMP) for your facility, c
from monitoring four pre
and 14 from the samplin
elevation measurements
and 14 is anticipated thi

If you have any question

Sincerely,

Vivek Kamath

Vivek Kamath, P.E.
Waste Programs Admini

cc: DER/BWC, Tallaha
DERM, Miami; R. .
West Palm Beach

Department of Environmental Regulation

Routing and Transmittal Slip

To: (Name, Office, Location)

1. Zoe Kulakowski, DER/Tall
2.
3.
4.

Remarks:

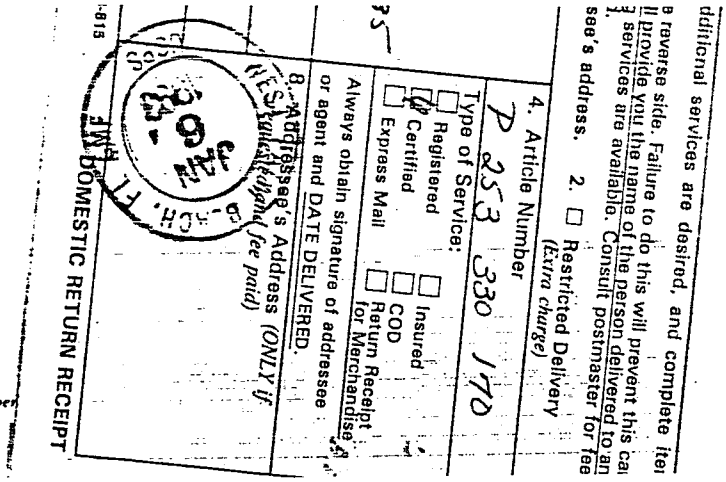
- Abandonment approval letter for Rinker's 17-775, FAC gw monitoring permit
- We should have copied you!
- I'll send a copy to Hadex

From: Paul Wierzbicki

Date 2/1/93

Phone

Recycled Paper



Department of Environmental Regulation

Routing and Transmittal Slip

To: (Name, Office, Location)

1. Mr Paul Jakob
   Hardex of Florida, Inc.
2. 1001 Broken Sound Parkway N.W. Suite C
   Boca Raton, FL 33487
3.
4.

Remarks:

Re: R. Ken Portland Quest Facility
Miami. ; Ch. 17775, FAC permit.

- Copy of 11/5/93 letter. Re:
well abandonment.

From: Paul Wierzbicki

Date 2/1/93

Phone

Department of Environmental Regulation

...ation

...rida 33406

...ier, Secretary

JAN. 0

Mr. Jame
Rinker M
P.O. Box
West Pal

RE: Mod
Rink
120
Mia

Dear Mr.

The Dep
(GMP) fo
from mo
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and 14 i

If you ha

Sincerel

Vivek

Vivek K
Waste F

cc: DI
DI
W

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fee and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and address of delivery. (Extra charge) 2. ☐ Restricted Delivery (Extra charge)

3. Article Addressed to: Mr. James Tierney

4. Article Number P 253 330 170

Type of Service:
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

8. Addressee's Address (ONLY if requested and fee paid)

DOMESTIC RETURN RECEIPT

Recycled Paper

Handex

HANDEX OF FLORIDA, INC., 1001 Broken Sound Parkway N. W., Suite C, Boca Raton, Florida 33487
(407) 995-9551 Fax: (407) 995-9830

February 12, 1993

Mr. Vivek Kamath, P.E.
Florida Dept. Environmental Regulation
Southeast District
1900 S. Congress Ave, Suite A
West Palm Beach, FL 33406

Re: Results of sampling for cadmium, Rinker Materials Corp., 1200 NW 137th Avenue, Miami, Florida.

Dear Mr. Kamath:

This letter addresses the request of the FDER (in a letter of January 28, 1993) for Rinker Portland Materials Corp. to "delineate the extent of the cadmium concentrations" (prepare a contamination assessment), regarding the occurrence of cadmium in a groundwater sample at the referenced location. As consultants for Rinker, we have sampled the well previously showing cadmium and offer the results for your consideration.

As background, the monitor well (MW-7) that showed 0.012 ppm, cadmium (from a sampling event of October 22, 1992), had not previously shown any detectable concentrations of cadmium during seven quarterly sampling events. The detection limit for those analyses was 0.005 ppm.

On February 3, 1993, Handex sampled MW-7 and split the sample; one part was filtered in the field as the sample contained some noticeable turbidity, and the second part was not filtered. Both samples were sent to VOC Analytical Laboratories, Inc., for analysis by EPA Method 213.2. The results of both analyses were the same - no concentration of cadmium greater than 0.005 ppm (the detection limit) was detected. The results of the analyses and chain of custody documentation are shown in Attachment A.

With the results as cited, we consider the FDER's request for assessment to be satisfied. Also, we request that you provide written confirmation to Mr. James Jenkins of Rinker Materials Corp., that an assessment is no longer needed.

As per the Groundwater Monitoring Plan, we will continue to sample monitor wells for cadmium and other chemical parameters of concern. Please call should you have any question regarding the above.

Sincerely,
HANDEX OF FLORIDA, INC.

Donald C. Johnson, P.G.
Site Manager

cc: Mr. Michael Vardeman, Rinker

K:\[illegible]\WP\SHARE\LETTERS\lvkfeb9.CEM

ATTACHMENT A

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 02-10-1993
LOG #: 4133-4

SAMPLE DESCRIPTION: RINKER MATERIALS
CEM 105132-01
RINKER CEMENT MILL, MIA
GROUNDWATER ANALYSIS

LABEL: CEM-7C3
DATE SAMPLED: 02/03/93
DATE RECEIVED: 02/03/93
COLLECTED BY: CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
BTEX ANALYSIS		ug/l	5030/8021		02/04/93	02/04/93	GP
Benzene	BDL	ug/l	5030/8021	1.0	02/04/93	02/04/93	GP
Toluene	BDL	ug/l	5030/8021	1.0	02/04/93	02/04/93	GP
Ethyl benzene	BDL	ug/l	5030/8021	1.0	02/04/93	02/04/93	GP
Total Xylenes	BDL	ug/l	5030/8021	1.0	02/04/93	02/04/93	GP
MTBE	BDL	ug/l	5030/8021	1.0	02/04/93	02/04/93	GP
Dilution Factor	1	ug/l	5030/8021	.	02/04/93	02/04/93	GP
PAH Compounds in water		ug/l	3510/8270		02/04/93	02/04/93	MF
Naphthalene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Acenaphthylene	BDL	ug/l	3510/8270	2.5	02/04/93	02/04/93	MF
Acenaphthene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Fluorene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Phenanthrene	BDL	ug/l	3510/8270	3.5	02/04/93	02/04/93	MF
Anthracene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Fluoranthene	BDL	ug/l	3510/8270	2.5	02/04/93	02/04/93	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/04/93	02/04/93	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Chrysene	BDL	ug/l	3510/8270	2.5	02/04/93	02/04/93	MF
Benzo (B) Fluoranthene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	2.5	02/04/93	02/04/93	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Indeno-(1,2,3,-CD)Pyrene	BDL	ug/l	3510/8270	8.0	02/04/93	02/04/93	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	7.0	02/04/93	02/04/93	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	4.0	02/04/93	02/04/93	MF
1-Methyl Naphthalene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
2-Methyl Naphthalene	BDL	ug/l	3510/8270	3.0	02/04/93	02/04/93	MF
Arsenic	BDL	mg/l	206.3	0.010	02/04/93	02/09/93	JK
Barium	BDL	mg/l	208.2	0.1	02/04/93	02/05/93	JK
Cadmium	BDL	mg/l	213.2	0.005	02/04/93	02/05/93	JK
Chromium	0.006	mg/l	218.2	0.005	02/04/93	02/05/93	JK
Mercury	BDL	mg/l	245.1	0.001	02/04/93	02/08/93	JK
Lead	BDL	mg/l	239.2	0.005	02/04/93	02/04/93	JK
Selenium	BDL	mg/l	270.3	0.01	02/04/93	02/05/93	JK
Silver	BDL	mg/l	272.2	0.005	02/04/93	02/05/93	JK
Dissolved Silver	BDL	mg/l	272.2	0.005	02/04/93	02/05/93	JK

RECEIVED
FEB 15 1993
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 2
DATE: 02-10-1993
LOG #: 4133-4

SAMPLE DESCRIPTION: RINKER MATERIALS
CEM 105132-01
RINKER CEMENT MILL, MTA
GROUNDWATER ANALYSIS

LABEL: CEM-7C3
DATE SAMPLED: 02/03/93
DATE RECEIVED: 02/03/93
COLLECTED BY: CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Dissolved Arsenic	BDL	mg/l	206.3	0.010	02/04/93	02/09/93	JK
Dissolved Barium	BDL	mg/l	208.2	0.1	02/04/93	02/05/93	JK
Dissolved Cadmium	BDL	mg/l	213.2	0.005	02/04/93	02/05/93	JK
Dissolved Chromium	BDL	mg/l	218.2	0.005	02/04/93	02/05/93	JK
Dissolved Mercury	BDL	mg/l	245.1	0.001	02/04/93	02/08/93	JK
Dissolved Lead	BDL	mg/l	239.2	0.005	02/04/93	02/04/93	JK
Dissolved Selenium	BDL	mg/l	270.3	0.01	02/04/93	02/05/93	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

4133-4

VOC ANALYTICAL LABORATORIES, INC.
877 N.W. 61 Street, Suite 202
Ft. Lauderdale, FL 33309
(305) 938-8823

CHAIN OF CUSTODY RECORD

log # 4133

VOC ANALYTICAL

Project Name or Number	Project Location
CEM 105132-01	RINKER CEMENT MILL, MIAMI
Client Name	
HANDEX OF FLA	

Item Number	Sample Label	Date	Time	Sample Description (CHECK ONE) Ground Water	Surface Water	Soil	Other (specify)	Number of Containers	Laboratory Analysis: 602 BETX+MTBE + 1+2 610 METHYL NAPS	As by 206.3	Ba by 208.2	Cr by 218.2	Cd by 213.2	Pb by 239.2	Hg by 245.1	Se by 270.3	Ag by 272.2	Preservative Type	COMMENTS
1	CEM-RBC3	2-3-93	1100	X				4	X	X	X	X	X	X	X	X	X	X	FILTERED METALS
2	CEM-DC3		1230	X				4											TOTAL METALS
3	CEM-6C3		1615	X				~~4~~ 5											TOTAL METALS
4	CEM-7C3		1130	X				5											TOTAL & FILTERED METALS
5	CEM-8C3		1200	X				4											TOTAL METALS
6	CEM-9C3		1145	X				4											TOTAL METALS
7	CEM-10C3		1215	X				4											TOTAL METALS
8	CEM-SW9C3		1315		X			4											TOTAL METALS
9	CEM-24C3		1345	X				4											TOTAL METALS
10	CEM-25C3		1415	X				4											TOTAL METALS
11	CEM-26C3		1440	X				4											TOTAL METALS

Will a Common Carrier be used? _____ Yes ✓ No

Person Responsible for Sample: GREG SOUCY

Remarks:

Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
1	1-11	Greg Soucy	RECEIVED FEB 15 1993 DEPT. OF ENVIRONMENTAL REG. WEST PALM BEACH	2/13/93	19:30
2					
3					
4					

VOC ANALYTICAL LABORATORIES, INC.
877 N.W. 61 Street, Suite 202
Ft. Lauderdale, FL 33309
(305) 938-8823

CHAIN OF CUSTODY RECORD

log # 4133

VOC ANALYTICAL

Project Name or Number	Project Location
CEM 105132-01	RINKER CEMENT MILL, MIAMI
Client Name	
HANDEX OF FLA.	

Item Number	Sample Label	Date	Time	Sample Description (CHECK ONE): Ground Water	Surface Water	Soil	Other (specify)	Number of Containers	Laboratory Analysis: 602 BETX+MTBE	610+1+2 METHYL NAPS	As by 206.3	Ba by 208.2	Cr by 218.2	Cd by 213.2	Pb by 239.2	Hg by 245.1	Se by 270.3	Ag by 272.2	Preservative Type	COMMENTS
12	CEM-27C	2-3-93	1510	X				4	X	X	X	X	X	X	X	X				TOTAL METALS

Will a Common Carrier be used? _____ Yes ✓ No

Person Responsible for Sample: GREG SOUCY

Remarks:

Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
1	12	Greg Soucy	D A	2/3/93	9:30
2			RECEIVED FEB 15 1993 DEPT. OF ENVIRONMENTAL REG. WEST PALM BEACH		
3					
4					

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ENFORCEMENT TELEPHONE LOG

CASE NAME: Rinker - Miami DATE: 1/29/93 TIME: pm

CONTACT: Wm Kelly OF: Handex CALLED/WAS CALLED

PHONE: 407/995-9557

****

DISCCUSSION:

- He wants to abandon the wells w/r "old" 17-775, FAC. Storage Pad.
- Should be no problem, if approved by DER/Tall.
- Told Kelly that DER has written Rinker re: contaminated well asking for add. dss.

PREPARED BY: Paul W.

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
Fax: 407/433-2666

Carol M. Browner, Secretary

JAN 2 8 1993

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. James S. Jenkins III
Vice President, Cement Operations
Rinker Materials Corporation
Post Office Box 24635
West Palm Beach, Florida 33416

Dear Mr. Jenkins:

RE: Rinker Portland Cement Corporation, 1200 Northwest 137th Avenue, Miami, Dade County

Quarterly ground water monitoring conducted at the referenced facility pursuant to Chapter 17-775, Florida Administrative Code (F.A.C.) dated December 9, 1992 (received December 14, 1992) revealed a cadmium concentration of 0.019 milligrams per liter (mg/l) in monitoring well number 7. Effective January 1, 1993, Florida's Primary Drinking Water Standard referenced in Chapter 17-550, F.A.C. (also referenced in Chapter 17-520, F.A.C.) for cadmium was reduced to 0.005 mg/l. Based upon ground water elevations recorded October 22, 1992, monitoring well number 7 appears down gradient from the unloading station and the material storage building and kiln outlet.

Therefore, you are requested to further delineate the extent of the cadmium concentrations at your facility in accordance with the document entitled "Corrective Actions for Contamination Site Cases" (copy attached). This matter may be resolved through entry into a Consent Order documenting your commitment to perform the corrective actions.

Please respond in writing within fifteen (15) days of receipt of this letter, at the Department's new mailing address: State of Florida Department of Environmental Regulation, Southeast Florida District, Post Office Box 15425, West Palm Beach, Florida 33416.

PLEASE BE ADVISED that this letter is part of an agency investigation preliminary to agency action in accordance with Section 120.57(4), Florida Statutes (F.S.) The purpose of this letter is to advise you of potential violations that may have occurred for which you may be responsible. If it is determined that an enforcement proceeding should be initiated in this case, it may be initiated by issuing a Notice of Violation or by filing a judicial; action in accordance with Section 403.121, F.S. If a

Notice of Violation is issued, and you are named as a party, you will be informed of your rights to contest any determination made in the Notice of Violation. The Department can also resolve any violation through entry into a Consent Order.

Should you have questions, please call Mr. Paul Wierzbicki at telephone 407/433-2650.

Sincerely,

Vivek Kamath

Vivek Kamath, P.E.
Administrator
Waste Programs

VK:PAW

cc: Office of General Counsel, DER, Tallahassee
Mr. Mike Vardemann, Rinker Materials, Miami
Mr. Paul G. Jakob, P.G., Handex of Florida, Inc.
Mara Austin, Metro-Dade of Environmental Resources Management
Bureau of Waste Cleanup, DER, Tallahassee
West Palm Beach DER files

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee
To: _____ Location: _____
To: _____ Location: _____
To: _____ Location: _____
From: _____ Date: _____

RECEIVED
JAN - 7 1993
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Interoffice Memorandum

To: Paul Wierzbicki, Southeast District Office

THROUGH: Jim Crane, Bureau of Waste Cleanup JJC

FROM: Zoe Kulakowski, Bureau of Waste Cleanup ZPK

DATE: December 30, 1992

SUBJECT: Rinker Portland Cement Corporation, 1200 Northwest 137th Avenue, Miami, Dade County

I have reviewed the Chapter 17-775, F.A.C. Ground Water Monitoring Report dated December 9, 1992 for the referenced site. These data show a violation of the cadmium standard at MW-7. Rinker should be advised that the Chapter 17-550, F.A.C.(and thus Chapter 17-520 also changes by reference) drinking water standards are changing effective January 1, 1993 and cadmium will drop to 5 ug/l and lead will drop to 15 ug/l.

/zpk

UNITED STATES POSTAL SERVICE

OFFICIAL BUSINESS

SENDER INSTRUCTIONS

Print your name, address and ZIP Code in the space below.

- Complete items 1, 2, 3, and 4 on the reverse.
- Attach to front of article if space permits, otherwise affix to back of article.
- Endorse article "Return Receipt Requested" adjacent to number.

RECEIVED

JAN - 7 1993

DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

U.S.MAIL

PENALTY FOR PRIVATE USE, $300

RETURN TO

Print Sender's name, address, and ZIP Code in the space below.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
1900 SOUTH CONGRESS AVE., SUITE A
WEST PALM BEACH, FL 33406

SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. ☐ Show to whom delivered, date, and addressee's address. *(Extra charge)*
2. ☐ Restricted Delivery *(Extra charge)*

3. Article Addressed to:

Mr. James Jenkins
Rinker Materials Corp.
P.O. Box 24635
West Palm Beach, FL 33416-4635

4. Article Number

P 253 330 170

Type of Service:

- ☐ Registered
- ☐ Insured
- ☒ Certified
- ☐ COD
- ☐ Express Mail
- ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature — Addressee

X

6. Signature — Agent

X

7. Date of Delivery

8. Addressee's Address *(ONLY if requested and fee paid)*

WEST PALM BEACH, FL JAN 1989 USPS

PS Form **3811**, Apr. 1989 ★U.S.G.P.O. 1989-238-815 **DOMESTIC RETURN RECEIPT**

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
Fax: 407/433-2666

Carol M. Browner, Secretary

JAN. 05 1993

Mr. James Jenkins
Rinker Materials Corporation
P.O. Box 24635
West Palm Beach, Fl 33416-4635

RE: Modification of General Permit No. SO13-195017
Rinker Materials Corp.
1200 NW 137th Ave
Miami, Fl 33182

Dear Mr. Jenkins,

The Department has reveiwed the request to modify the Groundwater Monitoring Plan (GMP) for your facility, dated November 13, 1992, submitted by Handex, and the results from monitoring four previous quarters. The request to delete monitor wells 11, 12, 13, and 14 from the sampling schedule and retain monitor well 11 for quarterly groundwater elevation measurements is approved. Please note if abandonment of monitor wells 12, 13, and 14 is anticipated this must be accomplished using FDER and SFWMD guidelines.

If you have any questions please contact Paul Wierzbicki at 407-433-2650.

Sincerely,

Vivek Kamath

Vivek Kamath, P.E.
Waste Programs Administrator

cc: DER/BWC, Tallahassee; T. Conrardy
DERM, Miami; R. Johns
West Palm Beach DER File

DATA SUMMARY

Parameters(mg/l)

MW/Qtr	Arsenic	Barium	Cadmiu	Chromiu	Lead	Mercury	Selenium	Silver
11/3Q91	BDL	.05	BDL	.011	BDL	BDL	BDL	BDL
11/4Q91	BDL	BDL	BDL	.011	BDL	BDL	BDL	BDL
11/2Q92	BDL	BDL	BDL	.011	BDL	BDL	BDL	.009
11/3Q92	BDL	BDL	BDL	.012	BDL	BDL	BDL	BDL
12/3Q91	BDL	.04	BDL	.006	BDL	BDL	BDL	BDL
12/4Q91	BDL	BDL	BDL	.009	BDL	BDL	BDL	BDL
12/2Q92	BDL	BDL	BDL	BDL	BDL	BDL	BDL	.008
12/3Q92	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
13/3Q91	BDL	.14	BDL	.014	BDL	BDL	BDL	BDL
13/4Q91	BDL	BDL	BDL	.025	BDL	BDL	BDL	BDL
13/2Q92	BDL	BDL	BDL	.015	BDL	BDL	.006	.009
13/3Q92	BDL	BDL	BDL	.005	BDL	BDL	BDL	BDL
14/3Q91	BDL	.04	BDL	.005	BDL	BDL	BDL	BDL
14/4Q91	BDL	BDL	BDL	.034	BDL	BDL	BDL	BDL
14/2Q92	BDL	BDL	BDL	.011	BDL	BDL	BDL	.009
14/3Q92	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

HANDEX OF FLORIDA, INC., 1001 Broken Sound Parkway N. W., Suite C, Boca Raton, Florida 33487
(407) 995-9551 Fax: (407) 995-9830

November 13, 1992
CEM

Ms. Zoe P. Kulakowski
State of Florida Environmental Reg
Division of Waste Management
Bureau of Waste Cleanup
2600 Blair Stone Road
Tallahasee, Florida 32399-2400

Re: Deletion of Wells 11,12,13 and 14 from the sampling schedule for the Ground Water Monitoring Program at the Rinker Portland Cement Corp., 1200 NW 137th Avenue, Miami, Florida.

Dear Ms. Kulakowski:

As authorized by the Rinker Portland Cement Corp., on October 22, 1992, Handex completed the sampling event for the 7th quarter of the GWMP at the referenced site. Groundwater samples taken from Wells 11,12,13 and 14 were below detection limits or state target levels for all parameters analyzed. These wells are located around the former soils storage slab (see Exhibit 1).

Operations at the soils storage slab were phased out and transferred to the Materials Substitution Building earlier this year. As proposed in Phase III of the GWMP, data were collected from Wells 11-14 for two quarters following cessation of storage at the soil storage slab.

At this time, Handex seeks approval to delete the Wells 12,13 and 14 from the schedule of sampling/analysis and groundwater level measurements, and requests your written approval. Our request is consistent with the Phase III of the GWMP. Well 11 will continue to be monitored quarterly for groundwater levels.

Please call should you have any questions concerning this matter.

Sincerely,
HANDEX OF FLORIDA, INC.

Greg Soucy
Hydrogeologist

cc: Mr. Michael Vardeman, Rinker

K:\HOME\WP\SHARE\LETTERS\ZKNOV13.CEM

Handex

RINKER PORTLAND CEMENT CORP.
1200 NW 137th AVENUE
MIAMI, FORIDA

EXHIBIT 1
WELLS AND SW POINTS FOR GWMP

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee

To: _____ Location: _____

To: _____ Location: _____

To: _____ Location: _____

From: _____ Date: _____

Interoffice Memorandum

RECEIVED
DEC 18 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

TO: Paul Wierzbicki, Southeast District Office

THROUGH: Jim Crane, Bureau of Waste Cleanup JJC

FROM: Zoe Kulakowski, Bureau of Waste Cleanup ZPK

DATE: December 14, 1992

SUBJECT: Rinker Portland Cement Corporation, 1200 Northwest 137th Avenue, Miami, Dade County

I have reviewed the letter dated November 13, 1992 from Mr. Greg Soucy, Handex, regarding the referenced site. This letter requests the deletion of Wells 11, 12, 13, and 14 from the Chapter 17-775, F.A.C. Ground Water Monitoring Plan (GWMP). This request is acceptable. Well 11 will be measured quarterly to determine ground water elevation.

/zpk

FILE REVIEW

DATE: 11-4-92

TIME: 2:00 PM

NAME: Gwen Shofner, Susan Mueller

COMPANY: Tampa Electric Co

PHONE: 813-228-4842

FILE NAME

Rinker Materials Corp.

PURPOSE OF FILE REVIEW:

Disposal Facility Audit

ATTACH BUSINESS CARD(S) IF AVAILABLE.

TAMPA ELECTRIC
A TECO ENERGY COMPANY

SUSANA MUELLER
Environmental Specialist
Environmental Planning

TAMPA ELECTRIC COMPANY
P.O. Box 111 Tampa, Florida 33601-0111
(813) 228-4861

TAMPA ELECTRIC
A TECO ENERGY COMPANY

GWEN L. SHOFNER, P.E.
Engineer - Environmental Planning
Environmental Planning

TAMPA ELECTRIC COMPANY
P.O. Box 111 Tampa, Florida 33601-0111
(813) 228-4842

Rinker

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650679
Miami, FL 33265-0679

Facsimile (305) 223-5403
Telephone (305) 221-7645

August 20, 1992

Department of Environmental Regulations
1900 South Congress Avenue
Suite A
West Palm Beach, FL 33406

Attn: Mr. William Lee Martin

Dear Lee:

In regard to the "Soil Thermal Treatment Facility Inspection Report" prepared on 8/6/92, I would like to provide the added VOA information that was inadvertently omitted from the untreated soils reports surveyed during your recent inspection.

These results are as follows:

	DATE	BATCH	VOA (PPB)
1.	3/18/92	111-111	<9
2.	3/26/92	111-120	<9
3.	4/17/92	111-92136	<9
4.	4/29/92	240-92006	<45
5.	4/30/92	111-92146	<70046
6.	5/13/92	111-92151	<19718
7.	5/13/92	111-92155	<9

In addition, on item 13(b) of Exhibit E (Inspection Report), the VOA results show the range of: BDL mg/kg to 382000 mg/kg, median 8986 mg/kg. It should be noted that the analytical data for VOA reporting (treated and untreated) is reported in ug/kg or parts per billion not parts per million (mg/kg).

These reporting units (ppb) are according to Chapter 17-775 FAC and the "Instructions for completing Untreated Soils Reporting Form" column 6.

Therefore, item 13(b) should read, in part, VOA BDL mg/kg to 382 mg/kg not VOA BDL mg/kg to 382000 mg/kg.

A copy of the analysis showing the 382000 ppb for VOA's is attached (Batch 265-92008 dated 7/14/92).

Please let me know if you have any questions.

Sincerely,

Dave Marple

enc.

cc: Mike Vardeman

SL SAVANNAH LABORATORIES & ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

LOG NO: D2-20698

Received: 03 MAR 92

Mr. David Singleton
Applied Earth Sciences
2101 NW 33rd St, Suite 1700A
Pompano Beach, Florida 33069

Project: #0234-33
Sampled By: D. Singleton

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
20698-1	Soil-1	03-02-92

PARAMETER	20698-1
Volatiles (8010/8020)	
Benzyl chloride, ug/kg dw	BDL
Bromobenzene, ug/kg dw	BDL
Bromodichloromethane, ug/kg dw	BDL
Bromoform, ug/kg dw	BDL
Bromomethane, ug/kg dw	BDL
Carbon Tetrachloride, ug/kg dw	BDL
Chlorobenzene, ug/kg dw	BDL
Chloroethane, ug/kg dw	BDL
Chloroform, ug/kg dw	BDL
1-Chlorohexane, ug/kg dw	BDL
2-Chloroethylvinyl Ether, ug/kg dw	BDL
Chloromethane, ug/kg dw	BDL
Chlorotoluene, ug/kg dw	BDL
Dibromochloromethane, ug/kg dw	BDL
Dibromomethane, ug/kg dw	BDL
1,2-Dichlorobenzene, ug/kg dw	BDL
1,3-Dichlorobenzene, ug/kg dw	BDL
1,4-Dichlorobenzene, ug/kg dw	BDL
Dichlorodifluoromethane, ug/kg dw	BDL
1,1-Dichloroethane, ug/kg dw	BDL
1,2-Dichloroethane, ug/kg dw	BDL
1,1-Dichloroethene, ug/kg dw	BDL
Cis/trans-1,2-dichloroethylene, ug/kg dw	BDL

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

LOG NO: D2-20698

Received: 03 MAR 92

Mr. David Singleton
Applied Earth Sciences
2101 NW 33rd St, Suite 1700A
Pompano Beach, Florida 33069

Project: #0234-33
Sampled By: D. Singleton

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
20698-1	Soil-1	03-02-92

PARAMETER	20698-1
Methylene Chloride, ug/kg dw	BDL
1,2-Dichloropropane, ug/kg dw	BDL
1,3-Dichloropropylene, ug/kg dw	BDL
1,1,2,2-Tetrachloroethane, ug/kg dw	BDL
1,1,1,2-Tetrachloroethane, ug/kg dw	BDL
Tetrachloroethylene, ug/kg dw	BDL
1,1,1-Trichloroethane, ug/kg dw	BDL
1,1,2-Trichloroethane, ug/kg dw	BDL
Trichloroethene, ug/kg dw	BDL
Trichlorofluoromethane, ug/kg dw	BDL
Trichloropropane, ug/kg dw	BDL
Vinyl Chloride, ug/kg dw	BDL
Benzene, ug/kg dw	BDL
Ethylbenzene, ug/kg dw	62000
Toluene, ug/kg dw	120000
Xylenes, ug/kg dw	200000
Methyl-tert-butyl ether (MTBE), ug/kg dw	BDL
Date Analyzed	03.11.92
Petroleum Hydrocarbons (9073) , mg/kg dw	64
Arsenic, mg/kg dw	BDL
Barium, mg/kg dw	1.5
Cadmium, mg/kg dw	BDL
Chromium, mg/kg dw	BDL
Lead, mg/kg dw	2.0
Mercury, mg/kg dw	BDL
Selenium, mg/kg dw	BDL

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

LOG NO: D2-20698

Received: 03 MAR 92

Mr. David Singleton
Applied Earth Sciences
2101 NW 33rd St, Suite 1700A
Pompano Beach, Florida 33069

Project: #0234-33
Sampled By: D. Singleton

REPORT OF RESULTS

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	DATE SAMPLED
20698-1	Soil-1	03-02-92

PARAMETER	20698-1
Silver, mg/kg dw	BDL
Potassium, mg/kg dw	BDL
Sodium, mg/kg dw	53
Chloride, mg/kg dw	400
Total halogens, mg/kg dw	110
Percent Solids, %	88

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
ENFORCEMENT TELEPHONE LOG

CASE NAME: Rinker Cement/Material Corp DATE: 8/25/92 TIME: 0900

CONTACT: Rinker/West Palm Beach OF: _____ CALLED/WAS CALLED

833-5555

****

DISCUSSION: Called to find out if they had any word from the Miami Cement kiln. They had some minor damage but the kiln should be operating later today and no known ~~dam~~ environmental damage from the soil storage building

PREPARED BY: Lee Martin

STATIONARY TANK INVENTORY SYSTEM 08/19/92 15:12:31
FACILITY SEARCH

CO/FAC	NAME/ADDRESS/CITY/ZIP	LAT/LONG	STAT	PCTS
50/8513881	TEXACO #021-101-BENNETTS	264039/800712	O	1
	50 N HAVERHILL RD	WEST PALM BCH		33415
50/8623270	PALM BCH CNTY SOLID WASTE AUTHORITY	264600/800700	O	0
	DYER BLVD & HAVERHILL RD	WEST PALM BCH		33401
50/8630695	CUMBERLAND FARMS #0998	264535/800632	O	1
	5300 45TH ST & HAVERHILL RD	WEST PALM BEACH		33407
50/8630764	SOUTHERN BELL-WPBHFLHH	264200/800704	O	0
	1550 N HAVERHILL RD	W PALM BCH		33417
50/8734608	PALM BCH PLANT FACTORY	263603/800726	O	0
	5171 HAVERHILL EXT S	LAKE WORTH		33463
50/8734628	PALM BCH TENNIS CLUB	/	O	0
	2800 HAVERHILL RD	W PALM BCH		33401
50/8734638	WEST PALM BCH CITY-E CEN REG WTP	264433/800804	O	1
	4325 N HAVERHILL RD	W PALM BCH		33409
50/8735723	CERAMIC TILE & MARBLE CO	264651/800658	C	0
	7146 HAVERHILL RD	WEST PALM BCH		33407

<F1> FORWARD <F2> BACK <F3> RETURN TO SEARCH MENU <F4> EXIT
MORE RECORDS AVAILABLE

STATIONARY TANK INVENTORY SYSTEM 08/19/92 15:14:11
FACILITY SEARCH

CO/FAC	NAME/ADDRESS/CITY/ZIP	LAT/LONG	STAT	PCTS
50/8737249	BRYNTESONS	/	O	0
	6235 HAVERHILL RD	LAKE WORTH		33463
50/8837522	HINSON DRAGLINE & DOZIER CORP	264214/800727	O	0
	1855 N HAVERHILL RD	WEST PALM BCH		33417
50/8839111	CENTURY VILLAGE GOLF CLUB	/	O	0
	2751 N HAVERHILL RD	W PALM BCH		33417
50/8839124	EBERSOLD & CO.,INC.	/	O	0
	5096 HAVERHILL RD	LAKE WORTH		33463
50/8841648	PALM BCH CNTY WATER-ECR 241 PUMP	/	O	1
	HAVERHILL RD	WEST PALM BCH		33417
50/8841668	PALM BCH CNTY WATER-ECR 229 PUMP	/	O	0
	HAVERHILL RD,N OF GUN RD	WEST PALM BCH		33417
50/8945052	BRADCO SUPPLY CORP	264707/800709	O	0
	7392 HAVERHILL RD	WEST PALM BCH		33407
50/9100321	RIVIERA BCH CITY-LIFT STATION	264533/800621	O	0
	6522 HAVERHILL RD	RIVIERA BCH		33407

<F1> FORWARD <F2> BACK <F3> RETURN TO SEARCH MENU <F4> EXIT

Rinker

RECEIVED
AUG 1 8 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650679
Miami, FL 33265-0679

Facsimile (305) 223-5403
Telephone (305) 221-7645

August 17, 1992

Department of Environmental Regulation
1900 South Congress Avenue
Suite A
West Palm Beach, FL 33406

Attn: Mr. Lee Martin

Dear Lee:

In regard to the questions posed during your last audit, please find below the information you desired:

1. The re-log results of the clinker samples for 6/29 - 7/5/92 and 6/15 - 6/21/92 indicate BDL for all VOH's and PAH's (see attached analysis.)

2. On untreated analysis for batch 278-92004 (WP Water-1915 N. Hanvenhill) received 4/27 and 4/28, the lead and mercury results were transposed (see attached analysis.)

3. Photo of Leachate collection area and storage tank.

4. Analysis of water in North-East corner of soils building indicate NO VOC's (see attached analysis.)

Although there is no indication that water is migrating through the North-East corner berming, we have constructed added water stopped berming in this area.

I believe this covers all the requests that you had, however, if you require further information or clarifications, please let me know.

Sincerely,

Dave Marple

DM/ld

enc.

This responds to all questions. Thanks
Lee Martin
8/18/92

cc: DAVE MARPLE/RINKER
FILE

41/12/14 15:46 001

RECEIVED
AUG 1 8 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

METROPOLITAN DADE COUNTY, FLORIDA

METRO-DADE

METRO-DADE CENTER

ENVIRONMENTAL RESOURCES MANAGEMENT
SUITE 1310
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1971
(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,

Tasa FOR

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

PL:ml:1887

Enclosure

pc: M. Vardeman, Rinker Materials

SPECTRUM
Laboratories, Inc. FORT LAUDERDALE - SAVANNAH

-CERTIFICATIONS-
EPA: #FL095
FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86096
GA # 828
SC # 96015

CLIENT:US ENVIRONMENTAL GR.
SAMPLE:003-042392/ 922656 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)
71-43-2	BENZENE	0.00	(1.00)
108-90-7	CHLOROBENZENE	0.00	(1.00)
95-50-1	o-DICHLOROBENZENE	0.00	(1.00)
541-73-1	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)
110-86-1	PYRIDINE	0.00	(50.0)
100-42-5	STYRENE	0.00	(1.00)
108-88-3	TOLUENE	0.00	(1.00)
108-38-3	THIOPHENOL	0.00	(50.0)
1330-20-7	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 A. JOHNSON - Chemist

SPECTRUM
Laboratories, Inc. FORT LAUDERDALE - SAVANNAH

CLIENT	US ENVIRONMENTAL	DATE REPORTED:	04/24/92
SAMPLE LOCATION	922666/SS-1	EPA:	# FL095
SAMPLE NUMBER	003-042392	FL DRINKING WATER:	# 86144
DATE RECEIVED	04/23/92	FL ENVIRONMENTAL:	# E86006
DATE SAMPLED	04/23/92	GEORGIA:	# 828
SAMPLE TYPE	SOIL	SOUTH CAROLINA:	# 96015
SUBMITTER	ROSE CONIGLIO		

TEST		RESULTS		
EPA 8010		NEGATIVE		
AROM VOL ORGAN	EPA 8020	NEGATIVE		
TRPH IN SOLID	EPA 9073	1664MG/KG		
TOT ORGANIC HALIDES	9020	<1.0	MG/L	
ARSENIC,T	3050/7060	1.40	MG/KG	D.W.
BARIUM,T	3050/7080	<5.0	MG/KG	D.W.
CADMIUM,T	3050/7131	<0.5	MG/KG	D.W.
CHROMIUM,T	3050/7191	7.60	MG/KG	D.W.
MERCURY,T	7471	<0.1	MG/KG	D.W.
LEAD,T	3050/7421	68.00	MG/KG	D.W.
SELENIUM,T	3050/7740	.30	MG/KG	D.W.
SILVER,T	3050/7760	2.000	MG/KG	D.W.

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT ME.

LYLE A. JOHNSON
CHEMIST

SPECTRUM
Laboratories, Inc. FORT LAUDERDALE • SAVANNAH

-CERTIFICATIONS-
EPA: #FL095
FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86006
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 8010 - PURGEABLE HALOCARBONS

CAS No.	PARAMETER	CONCENTRATION (ug/kg)	*MDL (ug/kg)
107-05-1	ALLYL CHLORIDE	0.00	(1.00)
100-44-7	BENZYL CHLORIDE	0.00	(0.50)
598-31-2	BROMOACETONE	0.00	(1.00)
108-86-1	BROMOBENZENE	0.00	(0.20)
75-27-4	BROMODICHLOROMETHANE	0.00	(0.20)
75-25-2	BROMOFORM	0.00	(0.20)
74-83-9	BROMOETHANE	0.00	(0.20)
56-23-5	CARBON TETRACHLORIDE	0.00	(0.20)
108-90-7	CHLOROBENZENE	0.00	(0.20)
75-00-3	CHLOROETHANE	0.00	(0.20)
110-75-8	2-CHLOROETHYLVINYLETHER	0.00	(0.50)
67-66-3	CHLOROFORM	0.00	(0.20)
74-87-3	CHLOROMETHANE	0.00	(0.50)
107-30-2	CHLOROMETHYLMETHYLETHER	0.00	(1.00)
126-99-8	CHLOROPRENE	0.00	(0.20)
106-43-4	4-CHLOROTOLUENE	0.00	(0.20)
124-48-1	DIBROMOCHLOROMETHANE	0.00	(0.20)
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.00	(0.20)
74-95-3	DIBROMOMETHANE	0.00	(0.20)
95-50-1	o-DICHLOROBENZENE	0.00	(0.20)
541-73-1	m-DICHLOROBENZENE	0.00	(0.20)
106-46-7	p-DICHLOROBENZENE	0.00	(0.20)
764-41-0	1,4-DICHLORO-2-BUTENE	0.00	(0.20)
75-71-8	DICHLORODIFLUOROMETHANE	0.00	(0.20)
75-34-3	1,1-DICHLOROETHANE	0.00	(0.25)
107-06-2	1,2-DICHLOROETHANE	0.00	(0.20)
75-35-4	1,1-DICHLOROETHENE	0.00	(0.40)
156-60-5	trans-1,2-DICHLOROETHENE	0.00	(0.25)
75-09-2	DICHLOROMETHANE	0.00	(0.50)
78-87-5	1,2-DICHLOROPROPANE	0.00	(0.40)
96-23-1	1,3-DICHLORO-2-PROPANOL	0.00	(1.00)
10061-01-5	cis,1,3-DICHLOROPROPENE	0.00	(0.50)
10061-02-6	trans,1,3-DICHLOROPROPENE	0.00	(0.50)
106-89-8	EPICHLORHYDRIN	0.00	(0.50)
106-93-4	ETHYLENE DIBROMIDE	0.00	(0.10)
74-88-4	METHYL IODIDE	0.00	(1.00)
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.00	(0.20)
630-20-6	1,1,1,2-TETRACHLOROETHANE	0.00	(0.20)
127-18-4	TETRACHLOROETHENE	0.00	(0.14)
71-55-6	1,1,1-TRICHLOROETHANE	0.00	(0.30)
79-00-5	1,1,2-TRICHLOROETHANE	0.00	(0.30)
79-01-6	TRICHLOROETHENE	0.00	(0.20)
75-69-4	TRICHLOROFLUOROMETHANE	0.00	(1.00)
96-18-4	1,2,3-TRICHLOROPROPANE	0.00	(0.50)
75-01-4	VINYL CHLORIDE	0.00	(0.17)

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

LYLE A. JOHNSON - Chemist

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

A. Laboratory Certification

Pursuant to the requirements set forth in FDER's chapter 17-775, F.A.C. Spectrum (Laboratory) 1460 W McNab Road, Ft Lauderdale, Fl. (Laboratory Address) herewith submit analytical results for Soil (Material) W.F.B. H2O Dept. from Haverhill & Okeechobee (Site) and represented by 1 (Number of Samples) and referenced as lab number/date 003-042392 4/23/92. All analysis was performed according to all the applicable parameters of 17-775.410 "Soil Sampling and Analysis."

Laboratory Quality Assurance No. 870206G

Authorized Signature [signature]

Date 4/24/92

B. Field Service Certification

Pursuant to the requirement set forth in FDER's Chapter 17-775 F.A.C., U.S. Environmental Group, Inc. (Field Service Organization) 6325 NW 9th Ave, Suite 210, Ft Lauderdale Fl (Field Service Organization Address) herewith attest that the Soil (Material) W.F.B. H2O Dept. from Haverhill & Okeechobee (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."

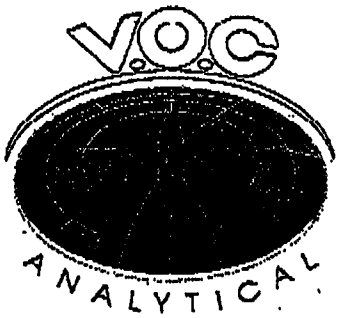
Field Service Quality Assurance No. 910229G

Authorized 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.

OUR QUALITY CONTROL IS YOUR QUALITY ASSURANCE



CLIENT # 18C
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 08-14-1992
LOG #:

SAMPLE DESCRIPTION: RINKER MATERIALS
CLINKER ANALYSIS
RELOG OF 2304-1
WEEK OF 6/15 - 6/21/92

LABEL: 2638-1
DATE SAMPLED: 06/21/92
DATE RECEIVED: 08/05/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOH in Soil		mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Bromodichloromethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Bromoform	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Bromomethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Carbon Tetrachloride	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Chloroethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Cis-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Chloroform	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Chloromethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Dicbromochloromethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,2-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,3-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,4-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Dichlorofluoromethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Chlorobenzene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Vinyl Chloride	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,1-Dichloroethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,2-Dichloroethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,1-Dichloroethene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Trans-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,2,-Dichloropropane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Cis-1,3-Dichloropropene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Trans-1,3-Dichloropropen	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Methylene Chloride	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,1,2,2-Tetrachlorpethan	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Tetrachlororethene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,1,1,-Trichloroethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
1,1,2-Trichloroethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Trichloroethene	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Trichlorofluoromethane	BDL	mg/kg	5030/8021	0.125	08/13/92	08/13/92	GP
Dilution Factor	1.0	mg/kg	5030/8021	.	08/13/92	08/13/92	GP
EPA 610 in soil		mg/kg	3550/8270		08/10/92	08/10/92	MF
Naphthalene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Acenaphthylene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Acenaphthene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF

CLIENT # 18C
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 2
DATE: 08-14-1992
LOG #:

SAMPLE DESCRIPTION: RINKER MATERIALS
CLINKER ANALYSIS
RELOG OF 2304-1
WEEK OF 6/15 - 6/21/92

LABEL: 2638-1
DATE SAMPLED: 06/21/92
DATE RECEIVED: 08/05/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Fluorene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Phenanthrene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Anthracene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Fluoranthene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Pyrene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Benzo (A) Anthracene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Chrysene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Benzo (L) Fluoranthene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Benzo (K) Fluoranthene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Benzo (A) Pyrene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Indeno-(1,2,3-CD)Pyrene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Dibenzo (A,H) Anthracene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
Dibenzo (G,H,I) Perylene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
1-Methyl Naphthalene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF
2-Methyl Naphthalene	BDL	mg/kg	3550/8270	0.33	08/10/92	08/10/92	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

VOC ANALYTICAL

RECEIVED
AUG 18 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

CLIENT # 18C
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 08-17-1992
LOG #:

SAMPLE DESCRIPTION: RINKER MATERIALS
CLINKER ANALYSIS
RELOG OF 2408-1
WEEK OF 6/29 - 7/05/92

LABEL: 2639-1
DATE SAMPLED: 07/05/92
DATE RECEIVED: 08/05/92
COLLECTED BY: CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOH in Soil		mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Bromodichloromethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Bromoform	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Bromomethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Carbon Tetrachloride	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Chloroethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Cis-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Chloroform	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Chloromethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Dicbromochloromethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,2-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,3-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,4-Dichlorobenzene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Dichlorofluoromethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Chlorobenzene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Vinyl Chloride	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,1-Dichloroethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,2-Dichloroethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,1-Dichloroethene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Trans-1,2-Dichloroethene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,2,-Dichloropropane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Cis-1,3-Dichloropropene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Trans-1,3-Dichloropropen	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Methylene Chloride	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,1,2,2-Tetrachloroethan	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Tetrachlororethene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,1,1,-Trichloroethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
1,1,2-Trichloroethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Trichloroethene	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Trichlorofluoromethane	BDL	mg/kg	5030/8021	0.125	08/12/92	08/12/92	GP
Dilution Factor	1.0	mg/kg	5030/8021	.	08/12/92	08/12/92	GP
EPA 610 in soil		mg/kg	3550/8270		08/10/92	08/10/92	MF
Naphthalene	BDL	mg/kg	3550/8270	0.11	08/10/92	08/10/92	MF
Acenaphthylene	BDL	mg/kg	3550/8270	0.12	08/10/92	08/10/92	MF
Acenaphthene	BDL	mg/kg	3550/8270	0.12	08/10/92	08/10/92	MF

CLIENT # 18C
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 2
DATE: 08-17-1992
LOG #:

SAMPLE DESCRIPTION: RINKER MATERIALS
CLINKER ANALYSIS
RELOG OF 2408-1
WEEK OF 6/29 - 7/05/92

LABEL: 2639-1
DATE SAMPLED: 07/05/92
DATE RECEIVED: 08/05/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Fluorene	BDL	mg/kg	3550/8270	0.09	08/10/92	08/10/92	MF
Phenanthrene	BDL	mg/kg	3550/8270	0.08	08/10/92	08/10/92	MF
Anthracene	BDL	mg/kg	3550/8270	0.09	08/10/92	08/10/92	MF
Fluoranthene	BDL	mg/kg	3550/8270	0.08	08/10/92	08/10/92	MF
Pyrene	BDL	mg/kg	3550/8270	0.09	08/10/92	08/10/92	MF
Benzo (A) Anthracene	BDL	mg/kg	3550/8270	0.06	08/10/92	08/10/92	MF
Chrysene	BDL	mg/kg	3550/8270	0.09	08/10/92	08/10/92	MF
Benzo (L) Fluoranthene	BDL	mg/kg	3550/8270	0.08	08/10/92	08/10/92	MF
Benzo (K) Fluoranthene	BDL	mg/kg	3550/8270	0.05	08/10/92	08/10/92	MF
Benzo (A) Pyrene	BDL	mg/kg	3550/8270	0.16	08/10/92	08/10/92	MF
Indeno-(1,2,3-CD)Pyrene	BDL	mg/kg	3550/8270	0.12	08/10/92	08/10/92	MF
Dibenzo (A,H) Anthracene	BDL	mg/kg	3550/8270	0.14	08/10/92	08/10/92	MF
Dibenzo (G,H,I) Perylene	BDL	mg/kg	3550/8270	0.07	08/10/92	08/10/92	MF
1-Methyl Naphthalene	BDL	mg/kg	3550/8270	0.11	08/10/92	08/10/92	MF
2-Methyl Naphthalene	BDL	mg/kg	3550/8270	0.07	08/10/92	08/10/92	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376C
HRS # E86240, 86356
SUB HRS# 86122, 86109, E86048
ADEM ID# 40720

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Title : RINKER MATERIALS SUBSTITUTION METHOD 5030\8021
Run File : C:\STAR\MODULE16\STAR089.RUN
Method File : C:\STAR\MIX#1.MTH
Sample ID : INSIDE

AM

Operator : A. Chemist
Workstation: MS-DOS_5..ÿ
Instrument : Varian Star #1
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 40.002 min

********** Varian GC Star Workstation ********** Rev. A 05/23/91 **********

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (PPM)	Retention Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)
Totals:		0.0000		0.000	0		

Total Unidentified Counts : 0 counts

Detected Peaks: 1 Rejected Peaks: 1 Identified Peaks: 0

Amount Standard: 1.000000 Multiplier: 1.000000 Divisor: 1.000000

Noise: 0 microVolts/sec Baseline Offset: -15 microVolts

Error Log:

ADC Board:

****

Title : RINKER MATERIALS SUBSTITUTION 5030/8021
Run File : C:\STAR\MODULE16\STAR090.RUN
Method File : C:\STAR\MIX#3[redacted]TH
Sample ID : INSIDE

Operator : A. Chemist
Workstation: MS-DOS_5
Instrument : Varian Star #1
Channel : B = B

Detector Type: ADCB (10 Volts)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 40.002 min

********** Varian GC Star Workstation ********** Rev. A 05/23/91 **********

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (PPM)	Retention Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)
Totals:		0.0000		0.000	0		

Total Unidentified Counts : 0 counts

Detected Peaks: 0 Rejected Peaks: 0 Identified Peaks: 0

Amount Standard: 1.000000 Multiplier: 1.000000 Divisor: 1.000000

Noise: 21 microVolts/sec Baseline Offset: 643 microVolts

Data Handling: No peaks

Error Log:

ADC Board:

****

Title : RINKER MATERIAL SUBSTITUTION 5030/8021
Run File : C:\STAR\MODULE\STAR084.RUN
Method File : C:\STAR\MIX#3.MTH
Sample ID : OUTSIDE

Operator : A. Chemist
Workstation: MS-DOS_5?
Instrument : Varian Star #1
Channel : B = B

Detector Type: ADCB (10 Volts)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 40.002 min

********** Varian GC Star Workstation ********** Rev. A 05/23/91 **********

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (PPM)	Retention Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)
---	---	---	---	---	---	--	---
---	---	---	---	---	---	--	---
	Totals:	0.0000		0.000	0		

Total Unidentified Counts : 0 counts

Detected Peaks: 0 Rejected Peaks: 0 Identified Peaks: 0

Amount Standard: 1.000000 Multiplier: 1.000000 Divisor: 1.000000

Noise: 16 microVolts/sec Baseline Offset: 455 microVolts

Data Handling: No peaks

Error Log:

ADC Board:

****

Title : RINKER MATERIA[redacted] SUBSTITUTION METHOD 5030[redacted]21
Run File : C:\STAR\MODULE16\STAR083.RUN
Method File : C:\STAR\MIX#1.MTH
Sample ID : OUTSIDE

Operator : A. Chemist
Workstation: MS-DOS_5?
Instrument : Varian Star #1
Channel : A = A

Detector Type: ADCB (1 Volt)
Bus Address : 16
Sample Rate : 10.00 Hz
Run Time : 37.382 min

********** Varian GC Star Workstation ********** Rev. A 05/23/91 **********

Run Mode : Analysis
Peak Measurement: Peak Area
Calculation Type: External Standard

Peak No.	Peak Name	Result (PPB)	Retention Time (min)	Time Offset (min)	Area (counts)	Sep. Code	Width 1/2 (sec)
Totals:		0.0000		0.000	0		

Total Unidentified Counts : 0 counts

Detected Peaks: 0 Rejected Peaks: 0 Identified Peaks: 0

Amount Standard: 1.000000 Multiplier: 1.000000 Divisor: 1.000000

Noise: 0 microVolts/sec Baseline Offset: -21 microVolts

Data Handling: No peaks

Error Log:

ADC Board:

****

Sunshine State MESSENGER service inc.

FPSC 1277

6775 N.W. 15th Avenue, Fort Lauderdale, FL 33309
Dade: 944-6363 • Broward: 975-8100 • W. Palm: 737-4444 • Jupiter: 743-0003
Ft. Wats: 1-800-432-1963 Fax: (305) 971-2693
Nationwide: 1-800-327-8520

NO. 261318

DATE 8-18-92

LIMIT OF LIABILITY $50.00 SUBJECT TO CONDITIONS ON REVERSE SIDE. FAILURE TO PAY - COLLECTION SUBJECT TO ATTORNEY'S FEES - SEE REVERSE SIDE. —THANK YOU—

FROM Rinker RECEIVED
AUG 18 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH
Miami

TO D.E.R.
1900 S. Congress
W.P.B.

WEIGHT AUK

CHARGES

BILL / JOB NO. 1507

BILL

BILL TO
APPLICABLE ONLY WHEN CHARGES ARE TO BE PAID BY SOMEONE OTHER THAN SHIPPER OR CONSIGNEE

TYPE OF SERVICE
☐ EMERGENCY ☐ PRIORITY ☒ STANDARD ☐ ADDITIONAL STOP ☐ C.O.P. ☐ C.O.D.

DESCRIPTION/NO. OF PIECES
ENVELOPES | CARTONS | PACKAGES 1 | OTHER

COMPLETE DESCRIPTION

INSTRUCTIONS

CONSIGNEE PRINT FULL NAME J. Marsh

CONSIGNEE SIGN FULL NAME

ABOVE GOODS RECEIVED IN GOOD CONDITION

PICK UP DRIVER 39 | DELIVERY DRIVER 39

TIME OF DELIVERY A.M. | 2:30 P.M.

Insurance Coverage — All movements are automatically insured for $50.00 at no charge. Additional insurance (up to a maximum of $500.00) is available for .75 per movement (All movements will be insured for $500.00 unless otherwise specified).

SHIPMENT SUBJECT TO LIMIT OF LIABILITY— SEE REVERSE
EXCESS INSURANCE AVAILABLE
SERVICE AVAILABLE — 24 HOURS — 7 DAYS A WEEK

PICK-UP CHARGE		
RE-PICK-UP CHARGE		
RE-DELIVER		
WAITING TIME		
VAN / SW		
WEIGHT CHARGE		
LAYOUT		
SERVICE		
TOTAL		

"QUALITY SERVICE AT A REASONABLE PRICE"

DELIVERY RECEIPT

FACSIMILE

Rinker Materials

TRANSMISSION

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650679
Miami, FL 33265-0679

MATERIALS SUBSTITUTION

FAX # 305-220-9875

WE ARE TRANSMITTING 6 PAGES INCLUDING COVER SHEET

TO: 1-407-433-2666 DATE: 8/6/92

ATTENTION: Lee Martin FROM: D. Marple

Lee: Attached is analysis for Batch (278-92004) received on April 27 and April 28. From the analysis, the Mercury value (<0.1 ppm) and Lead (68ppm) were transposed on the report.

Please let me know if you have further question.

Thanks

Dave.

METROPOLITAN DADE COUNTY, FLORIDA

METRO-DADE CENTER

ENVIRONMENTAL RESOURCES MANAGEMENT
SUITE 1910
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1971
(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 Cunniff, Manager
Solid Waste Program
Pollution Prevention and
Control Division

PL:ml:1887

Enclosure

pc: M. Vardeman, Rinker Materials

SPECTRUM
Laboratories, Inc. FORT LAUDERDALE - SAVANNAH

-CERTIFICATIONS-
EPA: #FL095
FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86096
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
:LUTION FACTOR: 5.00000

EPA METHOD 8020 - PURGEABLE AROMATICS

:AS No.	PARAMETER	CONCENTRATION (ug/kg)	*MDL (ug/kg)
(-43-2	BENZENE	0.00	(1.00)
)8-90-7	CHLOROBENZENE	0.00	(1.00)
5-50-1	o-DICHLOROBENZENE	0.00	(1.00)
41-73-1	m-DICHLOROBENZENE	0.00	(1.00)
)6-46-7	p-DICHLOROBENZENE	0.00	(1.00)
)0-41-1	ETHYLBENZENE	0.00	(1.00)
)9-06-8	2-PICOLINE	0.00	(25.0)
10-86-1	PYRIDINE	0.00	(50.0)
)0-42-5	STYRENE	0.00	(1.00)
)8-88-3	TOLUENE	0.00	(1.00)
)8-38-3	THIOPHENOL	0.00	(50.0)
330-20-7	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 A. JOHNSON - Chemist

FROM DON & SONS

SPECTRUM

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: # FL095
FL DRINKING WATER: # 86144
FL ENVIRONMENTAL: # E86006
GEORGIA: # 828
SOUTH CAROLINA: # 96015

TEST		RESULTS	
EPA 8010		NEGATIVE	
AROM VOL ORGAN	EPA 8020	NEGATIVE	
TRPH IN SOLID	EPA 9073	1664MG/KG	
TOT ORGANIC HALIDES	9020	<1.0	MG/L
ARSENIC,T	3050/7060	1.40	MG/KG D.W.
BARIUM,T	3050/7080	<5.0	MG/KG D.W.
CADMIUM,T	3050/7131	<0.5	MG/KG D.W.
CHROMIUM,T	3050/7191	7.60	MG/KG D.W.
MERCURY,T	7471	<0.1	MG/KG D.W.
LEAD,T	3050/7421	68.00	MG/KG D.W.
SELENIUM,T	3050/7740	.30	MG/KG D.W.
SILVER,T	3050/7760	2.000	MG/KG D.W.

IF YOU HAVE ANY QUESTIONS PLEASE CONTACT ME.

LYLE A. JOHNSON
CHEMIST

FROM DUN & SON

SPECTRUM
Laboratories, Inc. FORT LAUDERDALE • SAVANNAH

-CERTIFICATIONS-
EPA: #FL095
FL DRINKING WATER: #86144
FL ENVIRONMENTAL: #E86006
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
LUTION FACTOR: 5.00000

EPA METHOD 8010 - PURGEABLE HALOCARBONS

CAS NO.	PARAMETER	CONCENTRATION (ug/kg)	*MDL (ug/kg)
107-05-1	ALLYL CHLORIDE	0.00	(1.00)
100-44-7	BENZYL CHLORIDE	0.00	(0.50)
598-31-2	BROMOACETONE	0.00	(1.00)
108-86-1	BROMOBENZENE	0.00	(0.20)
75-27-4	BROMODICHLOROMETHANE	0.00	(0.20)
75-25-2	BROMOFORM	0.00	(0.20)
74-83-9	BROMOETHANE	0.00	(0.20)
56-23-5	CARBON TETRACHLORIDE	0.00	(0.20)
108-90-7	CHLOROBENZENE	0.00	(0.50)
75-00-3	CHLOROETHANE	0.00	(0.20)
110-75-8	2-CHLOROETHYLVINYLETHER	0.00	(0.50)
67-66-3	CHLOROFORM	0.00	(1.00)
74-87-3	CHLOROMETHANE	0.00	(0.20)
107-30-2	CHLOROMETHYLMETHYLETHER	0.00	(0.20)
126-99-8	CHLOROPRENE	0.00	(0.20)
106-43-4	4-CHLOROTOLUENE	0.00	(0.20)
124-48-1	DIBROMOCHLOROMETHANE	0.00	(0.20)
96-12-8	1,2-DIBROMO-3-CHLOROPROPANE	0.00	(0.20)
74-95-3	DIBROMOMETHANE	0.00	(0.20)
95-50-1	o-DICHLOROBENZENE	0.00	(0.20)
541-73-1	m-DICHLOROBENZENE	0.00	(0.20)
106-46-7	p-DICHLOROBENZENE	0.00	(0.20)
764-41-0	1,4-DICHLORO-2-BUTENE	0.00	(0.25)
75-71-8	DICHLORODIFLUOROMETHANE	0.00	(0.20)
75-34-3	1,1-DICHLOROETHANE	0.00	(0.40)
107-06-2	1,2-DICHLOROETHANE	0.00	(0.25)
75-35-4	1,1-DICHLOROETHENE	0.00	(0.50)
156-60-5	trans-1,2-DICHLOROETHENE	0.00	(0.40)
75-09-2	DICHLOROMETHANE	0.00	(1.00)
78-87-5	1,2-DICHLOROPROPANE	0.00	(0.50)
96-23-1	1,3-DICHLORO-2-PROPANOL	0.00	(0.50)
10061-01-5	cis,1,3-DICHLOROPROPENE	0.00	(0.50)
10061-02-6	trans,1,3-DICHLOROPROPENE	0.00	(0.50)
106-89-8	EPICHLORHYDRIN	0.00	(1.00)
106-93-4	ETHYLENE DIBROMIDE	0.00	(1.00)
74-88-4	METHYL IODIDE	0.00	(0.20)
79-34-5	1,1,2,2-TETRACHLOROETHANE	0.00	(0.20)
630-20-6	1,1,1,2-TETRACHLOROETHANE	0.00	(0.14)
127-18-4	TETRACHLOROETHENE	0.00	(0.30)
71-55-6	1,1,1-TRICHLOROETHANE	0.00	(0.30)
79-00-5	1,1,2-TRICHLOROETHANE	0.00	(0.20)
79-01-6	TRICHLOROETHENE	0.00	(1.00)
75-69-4	TRICHLOROFLUOROMETHANE	0.00	(0.50)
96-18-4	1,2,3-TRICHLOROPROPANE	0.00	(0.17)
75-01-4	VINYL CHLORIDE	0.00	(0.17)

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

LYLE A. JOHNSON - Chemist

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

A. Laboratory Certification

Pursuant to the requirements set forth in FDER's chapter 17-775, F.A.C. Spectrum (Laboratory) 1460 W McNab Road, Ft Lauderdale, Fl. (Laboratory Address) herewith submit analytical results for Soil (Material) W.P.B. H,O Dept. from Haverhill & Okeechobee (Site) and represented by 1 (Number of Samples) and referenced as 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. 870206G

Authorized Signature [signature]

Date 4/24/92

B. Field Service Certification

Pursuant to the requirement set forth in FDER's Chapter 17-775 F.A.C., U.S. Environmental Group, Inc. (Field Service Organization) 6123 NW 9th Ave Suite 200, Ft Lauderdale, Fl (Field Service Organization Address) herewith attest that the Soil (Material) from Haverhill & Okeechobee (Site) W.P.B. H,O Dept. 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. 910229G

Authorized 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.

METROPOLITAN DADE COUNTY, FLORIDA

METRO-DADE

METRO-DADE CENTER

ENVIRONMENTAL RESOURCES MANAGEMENT
SUITE 1310
111 N.W. 1st STREET
MIAMI, FLORIDA 33128-1971
(305) 375-3376

RECEIVED
MAY 18 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

May 13, 1992

Michael Vardeman, Manager
Rinker Materials Substitution, Inc.
Rinker Materials Corp.
1200 N.W. 137 Avenue
Miami, FL 33182

Re: Closure of the temporary soil storage facility at the Rinker plant located at 1200 N.W. 137 Avenue, Dade County, FL.

Dear Mr. Vardeman:

The Department of Environmental Resources Management (DERM) has reviewed the closure of the temporary soil storage facility dated April 14, 1992 and submitted to the Florida Department of Environmental Regulation (FDER) and approves it with the following modifications:

1. The soil samples shall be composite surface samples taken from the four sides of the facility. These soil samples shall be analyzed for the following parameters: EPA method 8010 and 8020, the eight RCRA metals and total halogens.

2. Groundwater samples shall continue to be taken from these wells on a quarterly basis for the next six months. This data as well as the soil data must be submitted to DERM within 45 days of sampling.

3. DERM require three (3) working days notice prior to all sampling and field work.

5. The laboratory performing the analysis must be state certified for the parameters to be sampled.

If you have any questions concerning this letter, please contact Lori Cunniff or myself at 375-3321.

Sincerely,

Robert E. Johns, Chief
Hazardous Waste Section
POLLUTION PREVENTION AND
CONTROL DIVISION

LC:vx

cc: Z. Chasan, DERM
P. Wierzbicki, FDER

INTEROFFICE MEMO

To: Paul A. Wierzbicki
From: Lee Martin
Subject: Rinker Materials Corp
1200 NW 137th Ave, Miami, Fl
Noncompliance Response Review

Date: May 2, 1992
CC:

The information submitted in response to our noncompliance letter (i.e., retesting results by an independent laboratory) does not confirm the previous elevated TRPH results. Rinker states they have instituted more stringent sample handling and preparation procedures to preclude future problems. The following data is provided for comparison purposes:

Week of clinker production	Rinker results	VOC Analytical results
1/20-1/26 1992	11.9 mg/kg	Not sampled
1/27-2/2	9.8	Not sampled
2/3-2/9	124.0	31.1
2/10-2/16	59.9	19.7
2/17-2/23	20.1	20.2
2/24-3/1	23.2	19.9

The data apparently supports the premise of sample handling or preparation problems; therefore recommend no further action at this time with monitoring in the future for possible trends.

DA\RINKERNC.REV\wlm

CC: West Palm Beach DER File
West Palm Beach DER/Air Section
DERM
DER/BWC,Tallahassee; T. Conrardy
DER, West Palm Beach; V. Kamath

Rinker

Rinker Materials Corporation
1200 N.W. 137th Avenue
Miami, FL 33182

P.O. Box 650679
Miami, FL 33265-0679

Facsimile (305) 223-5403
Telephone (305) 221-7645

April 22, 1992

Florida Department of Environmental Regulation
Southeast District
1900 South Congress Avenue
Suite A
West Palm Beach, FL 33406

Attn: Mr. Vivek Kamath P.E.
Waste Program Adminstrator

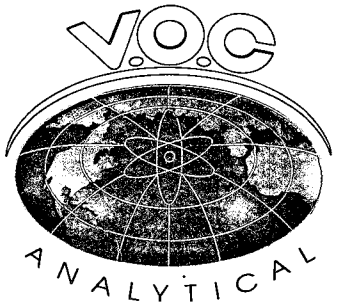
Dear Mr. Kamath:

In regard to your letter dated April 8, 1992 concerning non-compliance according to Section 17-775.400(3), we have reviewed the items identified during the routine compliance inspection as being out of compliance with the above section and submit the following:

1. Retesting was done by a certified laboratory on retained clinker samples for the weeks in question (2/3 through 2/9/92 and 2/10 through 2/16/92.) The results of these tests show the TRPH to be within compliance standards (31.1 ppm and 19.7 ppm respectively.) Copies of the analysis are attached.

2. The weekly testing done for TRPH before and after the weeks in question showed all TRPH results in compliance with standards set in Section 17-775.400(3).

3. Since all clinker production is consumed to produce cement, TRPH testing was done on composited cement production samples that would include the clinker production for the weeks in question. The results show TRPH values of 20.2 ppm and 19.9 ppm respectively. All TRPH results were in compliance with Section 17.775.400(3).



CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 04-16-1992
LOG #: 1732-1

SAMPLE DESCRIPTION: RINKER MATERIALS
RETEST
CLINKER
WK 2/3-2/9

LABEL: CLINKER 2/9
DATE SAMPLED: 02/09/92
DATE RECEIVED: 04/09/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
TRPH	31.1	mg/kg	9073	2.7	04/13/92	04/15/92	JV

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass

Jeffrey S. Glass LK
Laboratory Director

1732-1

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 04-16-1992
LOG #: 1732-2

SAMPLE DESCRIPTION: RINKER MATERIALS
RETEST
CLINKER
WK OF 2/10-2/16

LABEL: CLINKER 2/16
DATE SAMPLED: 02/16/92
DATE RECEIVED: 04/09/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
TRPH	19.7	mg/kg	9073	2.7	04/13/92	04/15/92	JV

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1732-2

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 04-16-1992
LOG #: 1732-3

SAMPLE DESCRIPTION: RINKER MATERIALS
RETEST
CEMENT
WK OF 2/17-2/23

LABEL: CEMENT 2/23
DATE SAMPLED: 02/23/92
DATE RECEIVED: 04/09/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
TRPH	20.2	mg/kg	9073	2.7	04/13/92	04/15/92	JV

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass LIC
Laboratory Director

1732-3

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

PAGE: 1
DATE: 04-16-1992
LOG #: 1732-4

SAMPLE DESCRIPTION: RINKER MATERIALS
RETEST
CEMENT
WK OF 2/24-3/1

LABEL: CEMENT 3/01
DATE SAMPLED: 03/01/92
DATE RECEIVED: 04/09/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
TRPH	19.9	mg/kg	9073	2.7	04/13/92	04/15/92	JV

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass LK
Laboratory Director

1732-4

UNITED STATES POSTAL SERVICE

Official Business

RECEIVED

APR 1 4 1992

DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

PENALTY FOR PRIVATE
USE, $300

Print your name, address and ZIP Code here

• Ms. Lee Martin (Napier) •

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
1900 SOUTH CONGRESS AVE., SUITE A
WEST PALM BEACH, FL 33406

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. James Jenkins
Kinter Materials Corporation
P.O. Box 24635
West Palm Beach, FL
33416-4C35

4a. Article Number
P818-678-027

4b. Service Type
☐ Registered ☐ Insured
☐ Certified ☐ COD
☐ Express Mail ☐ Return Receipt for Merchandise

7. Date of Delivery
APR 10 1992

5. Signature (Addressee)

6. Signature (Agent)

8. Addressee's Address (Only if requested and fee is paid)

PS Form **3811**, November 1990 ☆U.S. GPO: 1991—287-066 **DOMESTIC RETURN RECEIPT**

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
Fax: 407/433-2666

Carol M. Browner, Secretary

APR - 8 1992

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

James Jenkins
Rinker Materials Corporation
P.O. Box 24635
West Palm Beach, Fl 33416-4635

RE: Rinker Portland Cement Corp.
1200 NW 137th Ave, Miami, Fl 33182
Gen. Permit No. SO13-195017

Dear Mr. Jenkins,

Based on information gathered during a routine compliance inspection, it has been determined the above referenced facility may be in violation of State rules.

The following item was found to be in non-compliance with Chapter 17-775, Florida Administrative Code and the alternate procedure, File No. AP-STTF001, approved for the referenced facility:

1. Section 17-775.400(3)- Failure to maintain less than 50 mg/kg Total Recoverable Petroleum Hydrocarbons (TRPH) provided the Polynuclear Aromatic Hydrocarbons (PAH) do not exceed 6 mg/kg and the Volatile Organic Halocarbons (VOH) do not exceed 50 ug/kg in the treated soils.

Please review this non-compliance item and within fourteen (14) days of your receipt of this notice, submit a response which addresses the noted deficiency.

Thank you for your prompt attention to this matter.

Sincerely,

Vivek Kamath

Vivek Kamath, P.E.
Waste Programs Administrator

cc: Bureau of Waste Cleanup, FDER/Tallahassee
West Palm Beach FDER File
DERM/Miami
Dave Marple,Rinker/Miami
Tom Conrardy, FDER/Tallahassee
West Palm Beach FDER Air Section

HANDEX OF FLORIDA, INC., 3003 S. Congress Avenue, Suite 1C, Palm Springs, FL 33406
(407) 641-5355 Fax: (407) 641-5282

January 10, 1992
CEM

Certified Mail P 721063021
Return Receipt Requested

Ms. Zoe Kulakowski
Florida DER
Bureau of Waste Cleanup
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32339-2400

Re: Quarterly Report of Groundwater Monitoring for period August through October, 1991, Rinker Portland Cement Corp., 1200 NW 137th Ave., Miami, Florida.

Dear Ms. Kulakowski:

On behalf of the Rinker Portland Cement Corp., we herewith submit the referenced report. In the report, you will note the addition of a water sample that was collected from the canal south of the facility. This analysis was in response to a request by the Dade county DERM. Please call to discuss this report as needed.

Very truly yours,
HANDEX OF FLORIDA, INC.

Paul G. Jakob, P.G.
Principal Hydrogeologist

PGJ/lc
LZKdec19.cem

cc: Mr. Michael Vardeman, Rinker
Mr. Paul Wierzbicki, FDER, WPB
Ms. Dianna Cutt, Dade County, DERM

QUARTERLY REPORT OF GROUNDWATER MONITORING

(AUGUST, SEPTEMBER, OCTOBER, 1991)

Rinker Portland Cement Corp.
1200 N.W. 137 Avenue
Miami, Florida

December 1991

prepared for:
Rinker Materials Corp.
P.O. Box 24635
West Palm Beach, Florida

prepared by:
HANDEX of Florida, Inc.
(formerly Groundwater Specialists, Inc.)
3003 South Congress Ave., Suite 1C
Palm Springs, FL 33461

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QUARTERLY REPORT OF GROUNDWATER MONITORING

(August, September, October, 1991)

Rinker Portland Cement Corp.
1200 NW 137th Avenue
Miami, Florida

Introduction

This quarterly report is the third in a series to be submitted to the Florida DER as specified in Rinker Portland Cement Corp.'s General Permit Application to Construct/Operate a Soil Thermal Treatment Facility (per Chapter 17-775, FAC). It provides groundwater levels and the results of groundwater analysis of selected wells as outlined in Phase II of the GWMP (Groundwater Monitoring Plan) submitted by the Rinker Portland Cement Corp. to the Florida DER during April, 1991.

Report of Monitoring

Groundwater and surface-water levels were measured on October 31, 1991 at all GWMP network points. The locations of all measuring points are shown on Exhibit 1. The top-of-casing elevations of all monitor wells in the GWMP network are shown on Exhibit 2; water-level elevations are shown on Exhibits 2 and 3.

The direction of groundwater flow across the site is predominately eastward based on recent measurements. The pattern of groundwater flow is consistent with that described in the last quarterly report. Exhibit 3 depicts the groundwater contours and the easterly direction of groundwater flow.

The GWMP network wells were sampled on October 31, 1991 according to conditions described in GSI's generic (comprehensive) QAP (#880557G). Groundwater samples were analyzed for parameters outlined in Chapter 17-775.610(4).

Prior to sampling, a minimum of five casing volumes were purged from each monitor well. Measurements of specific conductivity, pH and temperature were made immediately before sampling; the results are listed in Appendix A.

The analytical methods prescribed for use in the GWMP include EPA Methods 602 and 610, and metals. The individual metals and their respective EPA Method numbers include: arsenic, 206.3; barium, 208.2; cadmium, 213.2; chromium, 218.2; lead, 239.2; mercury, 245.1; selenium, 270.3; and silver, 272.2. Samples were analyzed by V.O.C. Analytical, Inc., under its approved generic QAP (#900376G). The results of analyses are summarized on Exhibit 4. The laboratory reports and chain-of-custody documentation are presented in Appendix A.

It is noted here that in a certified letter to Rinker Materials Corp., dated September 26, 1991, the Dade County DERM requested a water sample be collected from the canal located to the south of the new soils storage facility. In accordance with this request, the canal water was sampled at a location adjacent to surface water measuring point SW 9 and was analyzed for the same parameters as listed above. This sample is referred to herein as the 'canal' sample.

The groundwater concentrations of purgeable aromatic hydrocarbons (EPA Method 602) and polynuclear aromatic hydrocarbons (EPA Method 610) were below laboratory detection limits in all wells and from the canal. However, MTBE was detected in both rinsate blanks (CEM-R1M31 and CEM-R2M31) at concentrations of 1.5 ppb and 2.3 ppb, respectively. These reported concentrations are deemed anomalous, since MTBE was not detected in any of the groundwater samples or from the canal.

None of the concentrations of any metals were detected at or above Florida Drinking Water Standards in samples from all wells and the canal. Based on experience gained during the last quarterly monitoring event, the concentrations of selenium and chromium were determined using the same methods (selenium, 270.3-hydride method; chromium, 218.2) employed by V.O.C. Analytical, Inc. in July, 1991. As before, the concentrations of selenium and chromium did not exceed Florida Drinking Water Standards in any of the samples.

The next quarterly monitoring event will occur during the week of January 27, 1991.

Respectfully submitted,
HANDEX of Florida, Inc.
(formerly GROUNDWATER
SPECIALISTS, INC.)

William Barfknecht

William Barfknecht
Hydrogeologist

Paul G. Jakob P.G.
Principal Hydrogeologist

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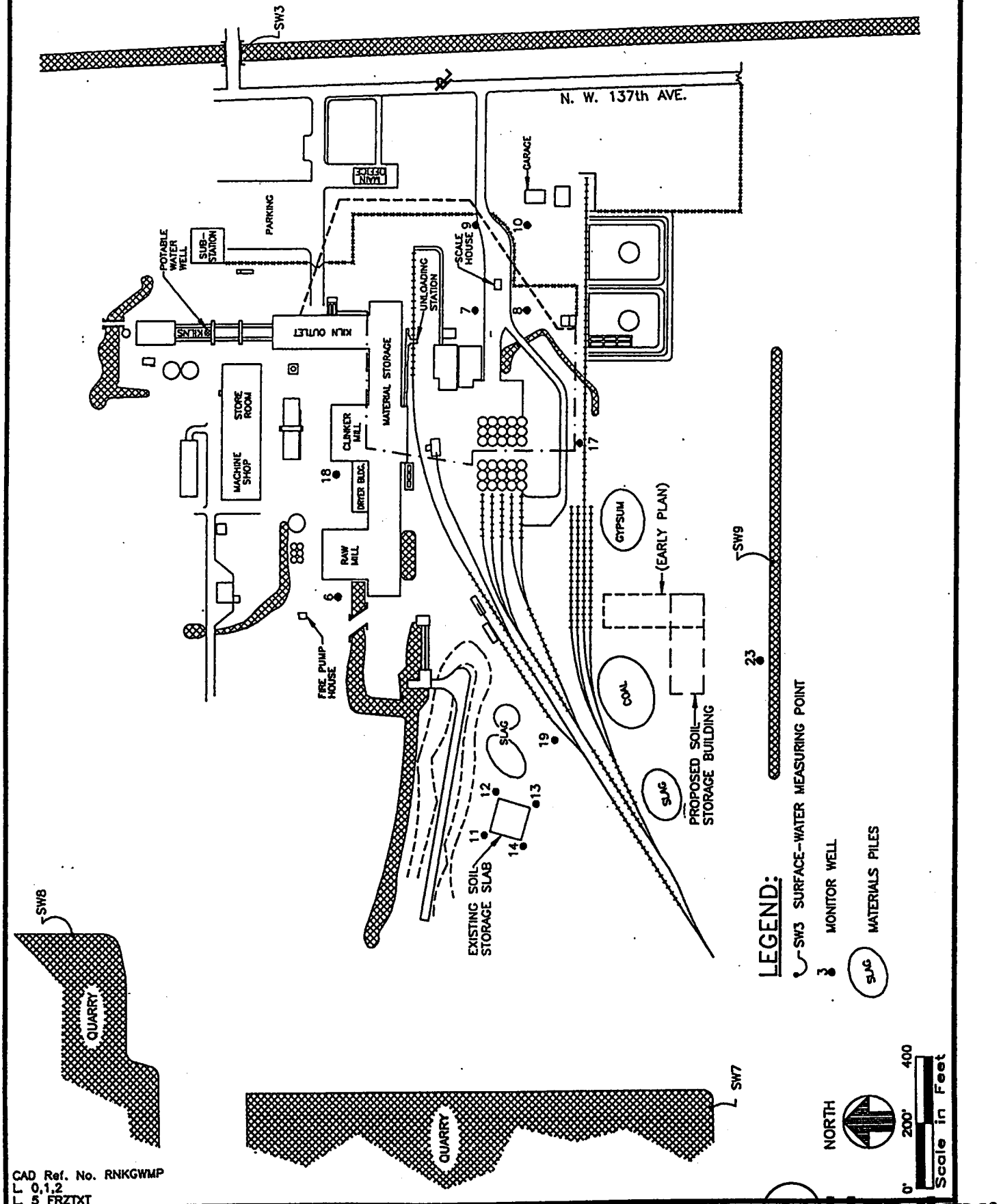
GSI	DATE: OCT. 1991	FOR: RINKER PORTLAND CEMENT CORP.	SUBJECT: WELLS AND SW POINTS FOR GWMP	EXHIBIT: 1

LOCATION: 1200 N.W. 137th AVE., MIAMI, FLORIDA



CAD Ref. No. RNKGWMP
L 0,1,2
L 5 FRZTXT

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EXHIBIT 2

MONITOR WELL AND SURFACE-WATER ELEVATIONS

Monitor Well	Top of Casing Elev. (feet)	Depth to Water (feet)	Water Elevation (feet)
6	9.46	3.43	6.03
7	9.03	3.15	5.88
8	9.56	3.68	5.88
9	9.69	3.86	5.83
10	10.05	4.21	5.84
11	8.11	2.02	6.09
12	8.48	2.41	6.07
13	8.41	2.33	6.08
14	8.09	2.00	6.09
17	8.63	2.78	5.85
18	9.72	3.73	5.99
19	11.28	5.22	6.06
23	12.55	6.55	6.00

Surface Water Measuring Point	Measuring Point Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)
SW3	5.56	0.0	5.56
SW7	9.20	2.85	6.35
SW8	7.39	1.19	6.20
SW9	6.00	0.02	6.02

Notes: The tops of casings are finished below grade. All elevations are referenced to mean sea level. Date of measurements was October 31, 1991.

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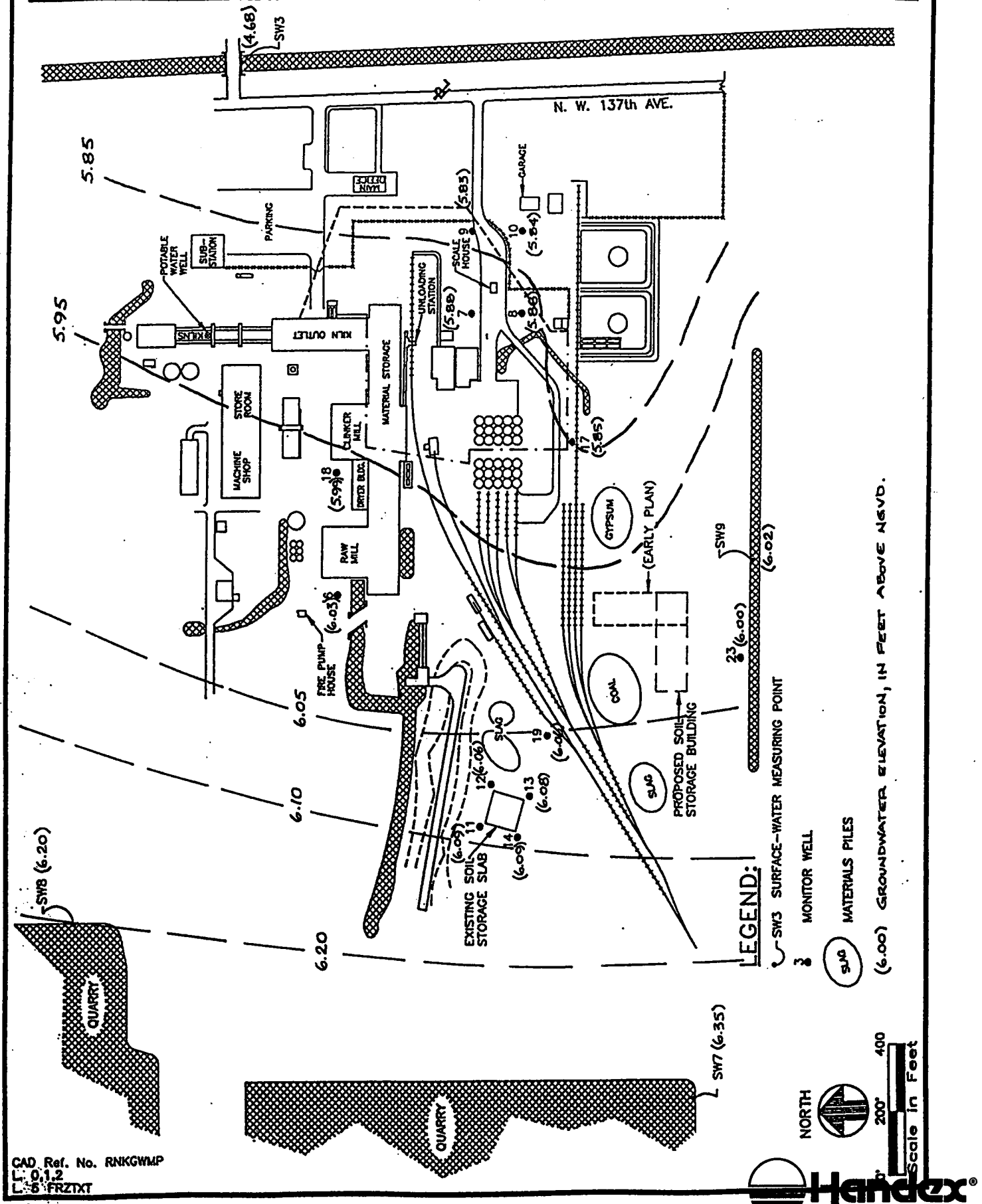
GSI	DATE: OCT. 1991	FOR: RINKER PORTLAND CEMENT CORP.	SUBJECT: GROUNDWATER CONTOURS	EXHIBIT: 3

LOCATION: 1200 N.W. 137th AVE., MIAMI, FLORIDA



CAD Ref. No. RNKGWMP
L: 0,1,2
L: 5 FRZTXT

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EXHIBIT 4

SUMMARY OF GROUNDWATER ANALYSES

Well Number	EPA Method 602	EPA Method 610
6	BDL	BDL
7	BDL	BDL
8	BDL	BDL
9	BDL	BDL
10	BDL	BDL
11	BDL	BDL
12	BDL	BDL
13	BDL	BDL
14	BDL	BDL
Canal	BDL	BDL

Metals (concentrations in ppm)

Well Number	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
6	BDL	0.04	BDL	BDL	BDL	BDL	BDL	BDL
7	BDL	0.46	BDL	0.026	BDL	BDL	BDL	BDL
8	BDL	0.03	BDL	BDL	BDL	BDL	BDL	BDL
9	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL
10	BDL	0.05	BDL	BDL	BDL	BDL	BDL	BDL
11	BDL	0.05	BDL	0.011	BDL	BDL	BDL	BDL
12	BDL	0.04	BDL	0.006	BDL	BDL	BDL	BDL
13	BDL	0.14	BDL	0.014	BDL	BDL	BDL	BDL
14	BDL	0.04	BDL	0.005	BDL	BDL	BDL	BDL
Canal	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Note: BDL denotes "below laboratory detection limits". The detection limits by EPA Methods 602 and 610 are 6.0 ppb or less. All detection limits are shown in Appendix A.

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APPENDIX A

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APPENDIX A

MEASUREMENTS OF SPECIFIC CONDUCTIVITY, pH
AND TEMPERATURE MADE DURING WELL PURGING

Well Number	Specific Conductivity (UMHOS)	pH	Temperature (deg. C)
6	670	7.4	25.6
7	820	6.6	27.1
8	710	7.4	27.9
9	940	6.3	27.9
10	830	6.9	27.5
11	320	7.8	27.5
12	540	7.8	25.4
13	470	7.7	24.7
14	340	7.8	24.7

Note: Samples were collected on October 31, 1991, under the conditions specified in GSI's generic (comprehensive) QAP. Because the monitor wells yield poorly, well-purging time was necessarily excessive. The data presented above are from measurements made immediately prior to sampling.

KEY TO SAMPLE IDENTIFICATION

Rinker Portland Cement Corp.
1200 N.W. 137 Avenue
Miami, Florida

Sample Source	Label	Lab Log #
Well 6	CEM-6M31	910-1
Well 7	CEM-7M31	910-2
Well 8	CEM-8M31	910-3
Well 9	CEM-9M31	910-4
Well 10	CEM-10M31	910-5
Well 11	CEM-11M31	910-6
Well 12	CEM-12M31	910-7
Well 13	CEM-13M31	910-8
Well 14	CEM-14M31	910-9
Canal	CEM-CANAL M31	910-10
Rinsate 1	CEM-R1M31	910-11
Rinsate 2	CEM-R2M31	910-12
Duplicate (Well 10)	CEM-D2M31	910-13
Trip Blank	TRIP BLANK	910-14

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V.O.C ANALYTICAL

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 1
Date:11-11-1991
Log #: 910-1

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-6M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.04	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Naphthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 2
Date:11-11-1991
Log #: 910-2

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-7M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.46	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	0.026	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Date:11-11-1991
Log #: 910-3

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-8M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.03	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 4
Date:11-11-1991
Log #: 910-4

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-9M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.05	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 5
Date:11-11-1991
Log #: 910-5

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-10M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.05	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 6
Date:11-11-1991
Log #: 910-6

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-11M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.05	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	0.011	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 7
Date:11-11-1991
Log #: 910-7

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-12M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.04	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	0.006	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/02/91	11/02/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/02/91	11/02/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/02/91	11/02/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/02/91	11/02/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

Handex®

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/02/91	11/02/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 8
Date:11-11-1991
Log #: 910-8

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-13M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.14	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	0.014	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/04/91	11/04/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 9
Date:11-11-1991
Log #: 910-9

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-14M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.04	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	0.005	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/03/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/04/91	11/04/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 10
Date:11-11-1991
Log #: 910-10

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-CANAL M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	BDL	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/05/91	11/05/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/04/91	11/04/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 11
Date:11-11-1991
Log #: 910-11

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-R1M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	BDL	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
MTBE	1.5	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/04/91	11/04/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

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Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 12
Date:11-11-1991
Log #: 910-12

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-R2M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	BDL	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	BDL	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
MTBE	2.3	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/04/91	11/04/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

Handex®

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:RINKER MATERIALS
Address: PO BOX 650679
MIAMI, FL 33165
ATTN: MIKE VARDEMAN

Page: 13
Date:11-11-1991
Log #: 910-13

Sample Description:RINKER MATERIALS
CEM (105132-01)
HANDEX OF FL-PALM BCH
PORTLAND CEMENT MILL

Label:CEM-D2M31
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Arsenic	BDL	mg/l	206.3	0.002	10/31/91	11/04/91	JK
Barium	0.07	mg/l	208.2	0.02	10/31/91	11/06/91	JK
Cadmium	BDL	mg/l	213.2	0.005	10/31/91	11/05/91	JK
Chromium	0.006	mg/l	218.2	0.005	10/31/91	11/05/91	JK
Lead	BDL	mg/l	239.2	0.005	10/31/91	11/05/91	JK
Mercury	BDL	mg/l	245.1	0.001	10/31/91	11/02/91	JK
Selenium	BDL	mg/l	270.3	0.002	10/31/91	11/04/91	JK
Silver	BDL	mg/l	272.2	0.005	10/31/91	11/06/91	JK
VOA in Water		ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Toluene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
MTBE	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	11/06/91	11/06/91	GP
EPA 610 in water		ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluorene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Anthracene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Pyrene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Chrysene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	11/04/91	11/04/91	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	11/04/91	11/04/91	MF
Indeno- (1,2,3,-CD) Pyrene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	11/04/91	11/04/91	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	11/04/91	11/04/91	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

Handex®

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	11/04/91	11/04/91	MF

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

COMPQAP # 90-0376-G
HRS #86240

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

Client #:18
Client Name:Rinker Materials
Address: P.O. BOX 650679
MIAMI, FL 33165

Sample Description: GROUNDWATER ANALYSIS

Date: 11/13/91
Log#: 910-QC

Label: QUALITY CONTROL
Date Sampled: 10/31/91
Date Received: 10/31/91
Collected By: CLIENT

Parameter	% RECOVERY	% RSD
Benzene	81.7	1.3
Toluene	82.8	0.8
MTBE	93.5	2.0
Ethyl benzene	83.4	0.6
Total Xylenes	82.7	2.2
VOA	--	--
Naphthalene	46.6	58.4
Acenaphthene	33.1	61
Acenaphthylene	77	57
Anthracene	36.6	51.2
Benzo (A) Anthracene	57.2	7.0
Benzo (B) Fluoranthene	37.1	4.8
Benzo (K) Fluoranthene	77	1.3
Benzo (A) Pyrene	50	31.2
Dibenzo (G,H,I) Perylene	61.9	72
Chrysene	97.6	72.1
Dibenzo (A,H) Anthracene	50.2	15.9
Fluoranthene	41.4	20.3
Fluorene	29.1	98.3
Indeno-(1,2,3,-CD) Pyrene	39.4	14.2
Phenanthrene	56.6	33.2
Pyrene	69.6	55.2
1-Methyl Naphthalene	58.7	52.1
2-Methyl Naphthalene	58.7	52.1
EPA 610 COMPOUNDS		
Total Cadmium	103	0.66
Total Lead	113	0.66
Total Selenium	98	6.0
Total Arsenic	90	1.4
Total Chromium	103	0.49
Total Mercury	94	1.5
Total Silver	82	3.0
Total Barium	100	1.83

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MEMO TO FILE

Site Visit: CSA Rinker Cement,
1200 N.W. 137th Avenue
Miami, Fl 33265-0679
Dade County, Fl.

Date: March 27, 1992

Present: Carol Meeds (DER),
Lee Martin (DER),
David Marple (Rinker)

Australian based Continental Sugar Associates (CSA)-Rinker Materials owns and operates the fifth largest rock mining pit in the world in Dade County Florida. This coral shell rock provides the calcium carbonate necessary for the production of Rinker's product which is "cement clinker".

The Rinker cement clinker production facility encompasses 300 acres of the 3,000 acre Dade County site. This plant produces 675,000 tons per year of cement clinker (1,700 tons per day). This is one third of Rinker's total output.

Cement clinker is a fused silica and calcium oxide based material made from heating silica sand and shell rock (CaCO3). Essential minor components include aluminum from Malaysian bauxite ore and iron from "slag" or bottom ash. Currently, ash is received from FP&L's power plant's and brought to the site by rail.

The clinker production involves crushing and sizing the raw materials, adding water (32 million gallons of water per year) and processing the slurry through one of two 475' long, 12' diameter rotary kilns operating at 3400 to 3700 degrees fahrenheit. The kilns are fueled by 300 tons per day of coal, gas or oil, whichever is priced lowest at the time.

Cement is produced by grinding additional calcium carbonate (coral shellrock) with the "cement clinker" and imported Spanish gypsum (calcium and magnesium sulfate).

Rinker has operated a material substitution program for four years. This program researches and evaluates different alternative materials for use as a raw material in cement or for use as an alternative fuel source in the boilers. Two alternative materials currently in use include the substitution of fuel contaminated soils (gasoline soaked dirt) for clean silica sand and the substitution of "on-spec" waste oil for fuel oil in the boilers.

Other alternative material substitutions under discussion or evaluation include:

Substitution of oily waste water for part of the slurry make-up water.

Burning tires for fuel;

Replacing FP&L slag with other power plant ashes such as ash from MSW incinerators; and

Blending oily sludges with contaminated soils.

In each of these cases, the material being substituted is a waste material and CSA/Rinker would be paid to take these materials as opposed to having to purchase a "clean" raw material.

This Rinker cement plant is the designated thermal soils treatment plant in the Southeast District DER. A new contaminated soils receiving area has been constructed at the site. This 100' x 300' building is built on a pad of monolithically poured concrete over ten feet thick. Ventilation is provided by a large front opening and a higher ceiling opening. Floor surfaces are sloped to the back corner where there is a sump and holding tank to collect any possible contaminated water from wind blown rain entering the building and coming into contact with the fuel contaminated soils. No water was in the tank. Mr. Marple stated that any water which might be on site would most probably be absorbed by the large piles of contaminated soils.

24 monitoring wells were stated to be on site.


Rinker
MATERIALS
SUBSTITUTION

Photos dropped
off by Rinker
M. Vardeman
~1/92


Rinker
MATERIALS
SUBSTITUTION

I N T E R O F F I C E M E M O R A N D U M

Date: 19-Mar-1992 10:07am EST
From: Donald Trussell (TAL)
TRUSSELL_D
Dept: Waste Management
Tel No: 904/488-0300

TO: Satish Kastury (TAL) (KASTURY_S)
TO: Michael Redig (TAL) (REDIG_M)
TO: Vivek Kamath (WPB) (KAMATH_V)

Subject: Rinker Cement Kiln

Mr. Bob Hall (USEPA-HQ 703-308-8412) informed me that his office has selected Rinker Cement Kiln Miami, for a sampling inspection on 27 March 1992.

The USEPA selected 15 cement kilns nationwide for sampling and review of their operation and process. NO ENFORCEMENT WILL RESULT FROM THESE VISITS!!!!!

The purpose of the visits is to compile data regarding cement kiln dust and clinker generated, and report their findings to the US Congress, as required by RCRA, in order to determine if the RCRA 40 CFR 261.4 (b)(8) exemption should be retained.

The 15 facilities were selected at random (maybe MY word) and will be sampled for waste generated, managed, and clinker as generated.

The USEPA Region IV and the FDER representatives are invited. Mr. Bill Schoenborn, USEPA,(202-687-8483) will be on site and will forward additional visit info soon.

ganization, but if the state Legislature refuses to fund them, the only place it's going to get done is at the local level."

difference state and local ns show most cally in Dade , where DER employees to ermitting and cement in a county area. DERM has 350 es and a budget 25 million.

The numbers clearly support that statement. FLERA members employee more than 1,200 people and have combined budgets totalling some $75 million, Davis said—and that is for 20 municipalities in just 17 counties. DER has about 1,450 employees and an operating budget of $223 million to cover the entire state.

That difference shows most dramatically in Dade County, where DER has five employees to cover permitting and enforcement in a three-county area. Dade's DERM has 350 employees and a budget of $25 million.

DER Secretary Carol Browner readily acknowledges the numbers crunch. While she says there are many areas DER will never delegate—counties, for instance, should not have the authority to grant permits to themselves—she welcomes the economic boost local programs can provide.

"For us it's a question of limited resources," Browner said. "If you can look to local governments for enforcement, then you have that many more people out there making sure that people are living up to their permit condi-

one they try to avoid. The solution, they say, is for DER to delegate more

PLEASE: see 'Local programs' on p. 10

FLA ENVIR 3/92

HANDEX OF FLORIDA, INC., 3003 S. Congress Avenue, Suite 1C, Palm Springs, FL 33461
(407) 641-5355 Fax: (407) 641-5282

March 20, 1992
CEM

Certified Mail #P721 063 038
Return Receipt Requested

RECEIVED
MAR 2 4 1992
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Ms. Zoe Kulakowski
Florida DER
Bureau of Waste Cleanup
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32339-2400

Re: Quarterly Report of Groundwater Monitoring for the period November through January, 1992, Rinker Portland Cement Corp., 1200 NW 137th Avenue, Miami, Florida.

Dear Ms. Kulakowski:

On behalf of the Rinker Portland Cement Corp., we herewith submit the referenced report. Please call to discuss this report as needed.

Very truly yours,
HANDEX OF FLORIDA, INC.

Paul G. Jakob, P.G.
Principal Hydrogeologist

PJ:md
ENCLOSURE

cc: Mr. Michael Vardeman, Rinker
Mr. Paul Wierzbicki, FDER, WPB
Ms. Dianna Cutt, Dade County, DERM

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QUARTERLY REPORT OF GROUNDWATER MONITORING

(November, December, 1991
and January, 1992)

RINKER PORTLAND CEMENT CORP.
1200 NW 137TH AVENUE
MIAMI, FLORIDA

March, 1992

PREPARED FOR:

Rinker Materials Corp.
P.O. Box 24635
West Palm Beach, Florida

PREPARED BY:

Handex of Florida, Inc.
3003 S. Congress Avenue, Suite 1C
Palm Springs, Florida

WILLIAM BARFKNECHT — DATE
HYDROGEOLOGIST

PAUL G. JAKOB, P.G. — DATE
PRINCIPAL HYDROGEOLOGIST

QUARTERLY REPORT OF GROUNDWATER MONITORING

(November, December, 1991 and January, 1992)

Rinker Portland Cement Corp.
1200 NW 137th Avenue
Miami, Florida

Introduction

This quarterly report is the fourth in a series to be submitted to the Florida DER as specified in Rinker Portland Cement Corp.'s General Permit Application to Construct/Operate a Soil Thermal Treatment Facility (per Chapter 17-775, FAC). It provides groundwater levels and the results of groundwater analysis of selected wells as outlined in Phase II of the GWMP (Groundwater Monitoring Plan) submitted by the Rinker Portland Cement Corp. to the Florida DER during April, 1991.

Report of Monitoring

Groundwater and surface-water levels were measured on January 27, 1992 at all GWMP network points. The locations of all measuring points are shown on Figure 1. The top-of-casing elevations of all monitor wells in the GWMP network are shown on Table 1; water-level elevations are shown on Table 1 and Figure 2.

Based on recent measurements, the direction of groundwater flow across the site is toward the east and remains consistent with the flow trend described in the last quarterly report. Figure 2 depicts the groundwater contours and the easterly direction of groundwater flow.

The GWMP network wells were sampled on January 27, 1992 according to conditions described in HANDEX/GSI's generic (comprehensive) QAP (#880557G). Groundwater samples were analyzed for parameters outlined in Chapter 17-775.610(4).

Prior to sampling, a minimum of five casing volumes were purged from each monitor well. Measurements of specific conductivity, pH and temperature were made immediately before sampling; the results are listed in Appendix A.

The analytical methods prescribed for use in the GWMP include EPA Methods 602 and 610, and metals. The individual metals and their respective EPA Method numbers include: arsenic, 206.3; barium, 208.2; cadmium, 213.2; chromium, 218.2; lead, 239.2; mercury, 245.1; selenium, 270.3; and silver, 272.2. Samples were analyzed by V.O.C. Analytical, Inc., under its approved generic QAP (#900376G). The results of analyses are summarized on Exhibit 4. The laboratory reports and chain-of-custody documentation are presented in Appendix A.

Closing

The groundwater concentrations of purgeable aromatic hydrocarbons (EPA Method 602) and polynuclear aromatic hydrocarbons (EPA Method 610) were below laboratory detection limits in all wells and from the canal.

None of the concentrations of any metals were detected at or above Florida Drinking Water Standards in samples from all wells and the canal. Based on experience gained during the last quarterly monitoring event, the concentrations of selenium and chromium were determined using the same methods (selenium, 270.3-hydride method; chromium, 218.2) employed by V.O.C. Analytical, Inc. in November, 1991. As before, the concentrations of selenium and chromium did not exceed Florida Drinking Water Standards in any of the samples.

The next quarterly monitoring event will occur during the week of April 27, 1991.

Respectfully submitted,
HANDEX OF FLORIDA, INC.

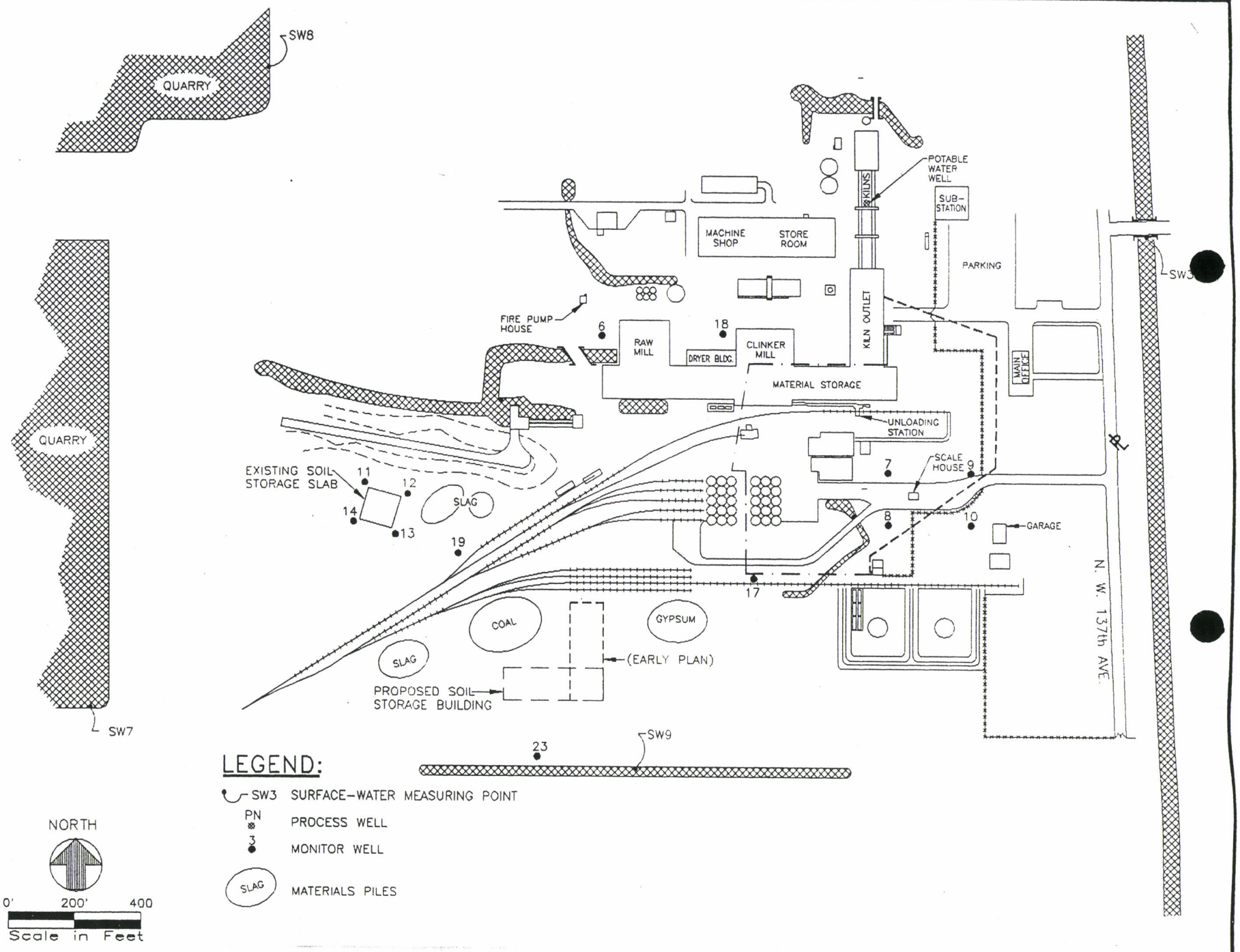
William Barfknecht

William Barfknecht
Hydrogeologist

3.20.92

Paul G. Jakob P.G.
Principal Hydrogeologist

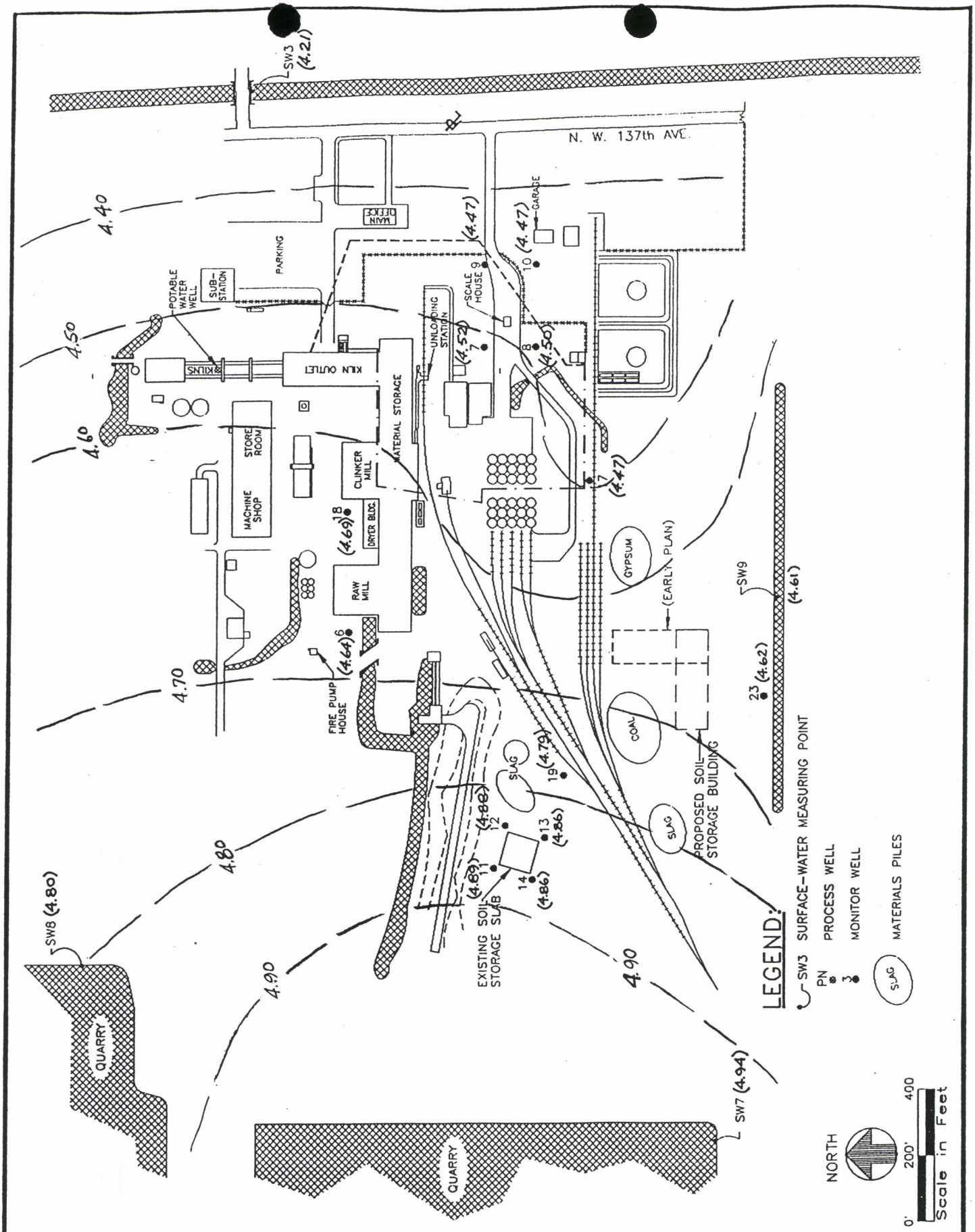
FIGURES



Handex

RINKER PORTLAND CEMENT CORP.
1200 NW 137th AVE. MIAMI, FLORIDA

FIGURE 1
WELLS AND SW
POINTS FOR GWMP



Handex

RINKER PORTLAND CEMENT CORP.
1200 NW 137th AVE. MIAMI, FLORIDA

FIGURE 2.
GROUNDWATER CONTOURS

TABLES

TABLE 1

MONITOR WELL AND
SURFACE-WATER ELEVATIONS

Monitor Well	Top of Casing Elev. (feet)	Depth to Water (feet)	Water Elevation (feet)
6	9.46	4.82	4.64
7	9.03	4.51	4.52
8	9.56	5.06	4.50
9	9.69	5.22	4.47
10	10.05	5.58	4.47
11	8.11	3.22	4.89
12	8.48	3.60	4.88
13	8.41	3.55	4.86
14	8.09	3.23	4.86
17	8.63	4.16	4.47
18	9.72	5.03	4.69
19	11.28	6.49	4.69
23	12.55	7.93	4.62

Surface Water Measuring Point	Measuring Point Elevation (feet)	Depth to Water (feet)	Water Elevation (feet)
SW3	5.56	1.35	4.21
SW7	9.20	4.26	4.94
SW8	7.39	2.59	4.80
SW9	6.00	1.39	4.61

Notes: The tops of casings are finished below grade. All elevations are referenced to mean sea level. Date of measurements was January 27, 1992.

TABLE 2

SUMMARY OF GROUNDWATER ANALYSES

Well Number	EPA Method 602	EPA Method 610
6	BDL	BDL
7	BDL	BDL
8	BDL	BDL
9	BDL	BDL
10	BDL	BDL
11	BDL	BDL
12	BDL	BDL
13	BDL	BDL
14	BDL	BDL
Canal	BDL	BDL

Metals (concentrations in ppm)

Well Number	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium	Silver
6	BDL	BDL	BDL	0.008	BDL	BDL	BDL	BDL
7	BDL	BDL	BDL	0.036	BDL	BDL	BDL	0.014
8	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL
9	BDL	BDL	BDL	0.008	BDL	BDL	BDL	BDL
10	BDL	BDL	BDL	0.011	BDL	BDL	BDL	BDL
11	BDL	BDL	BDL	0.011	BDL	BDL	BDL	BDL
12	BDL	BDL	BDL	0.009	BDL	BDL	BDL	BDL
13	BDL	BDL	BDL	0.025	BDL	BDL	BDL	BDL
14	BDL	BDL	BDL	0.034	BDL	BDL	BDL	BDL
Canal	BDL	BDL	BDL	BDL	BDL	BDL	BDL	BDL

Note: BDL denotes "below laboratory detection limits". The detection limits by EPA Methods 602 and 610 are 6.0 ppb or less. All detection limits are shown in Appendix B.

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APPENDIX A

APPENDIX A

MEASUREMENTS OF SPECIFIC CONDUCTIVITY, pH
AND TEMPERATURE MADE DURING WELL PURGING

Well Number	Specific Conductivity (UMHOS)	pH	Temperature (deg. C)
6	700	7.1	20.6
7	710	7.2	22.2
8	680	7.0	21.0
9	1010	6.8	21.9
10	790	6.8	22.7
11	460	7.2	19.4
12	560	7.2	20.0
13	590	7.1	20.8
14	560	7.1	19.2

Note: Samples were collected on January 27, 1992, under the conditions specified in the Handex of Florida, Inc. (formerly GSI) generic (comprehensive) QAP. Because the monitor wells yield poorly, well-purging time was necessarily excessive. The data presented above are from measurements made immediately prior to sampling.

KEY TO SAMPLE IDENTIFICATION

Rinker Portland Cement Corp.
1200 N.W. 137 Avenue
Miami, Florida

Sample Source	Label	Lab Log #
Well 6	CEM-6P27	1289-1
Well 7	CEM-7P27	1289-2
Well 8	CEM-8P27	1289-3
Well 9	CEM-9P27	1289-4
Well 10	CEM-10P27	1289-5
Well 11	CEM-11P27	1289-6
Well 12	CEM-12P27	1289-7
Well 13	CEM-13P27	1289-8
Well 14	CEM-14P27	1289-9
Canal	CEM-CP27	1289-10
Duplicate (Well 10)	CEM-DP27	1289-11
Rinsate 1	CEM-RP27	1289-12
Rinsate 2	CEM-R2P27	1289-13
Trip Blank	CEM-TP27	1289-14

File: k:\home\wp\barfk_b\cem\samplid

V.O.C ANALYTICAL

RECEIVED
FEB 19 1992

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-1

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-6P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/29/92	01/29/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.008	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	[illegible]		[illegible]	03/92	JK

877 Northwest 61st Street, Suite 202, Fort Lauderdale, FL 33309 (305) 938-8823

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-1

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-6P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-1

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-2

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-7P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/29/92	01/29/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.036	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-2

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-7P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	0.014	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-3

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-8P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/29/92	01/29/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	BDL	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-3

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-8P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-3

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-4

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-9P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/29/92	01/29/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.008	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-4

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-9P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-4

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-5

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-10P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.011	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-5

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-10P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-5

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-6

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-11P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.011	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-6

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-11P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-6

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-7

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-12P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.009	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-7

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-12P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits.
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-7

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-8

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-13P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.025	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-8

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-13P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-8

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-9

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-14P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.034	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-9

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-14P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-9

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-10

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-CP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	BDL	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-10

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-CP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-10

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-11

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-DP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	0.013	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-11

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-DP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-11

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-12

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-RP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/30/92	01/30/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/30/92	01/30/92	GP
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	BDL	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 2
DATE: 02-17-1992
LOG #: 1289-12

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-RP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-12

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-13

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-R2P27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
EPA 610 in water		ug/l	3510/8270		02/01/92	02/01/92	MF
Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthylene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Acenapthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluorene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Phenanthrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Anthracene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Fluoranthene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Pyrene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Benzo (A) Anthracene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Chrysene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (L) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (K) Fluoranthene	BDL	ug/l	3510/8270	3.5	02/01/92	02/01/92	MF
Benzo (A) Pyrene	BDL	ug/l	3510/8270	3.0	02/01/92	02/01/92	MF
Indeno- (1,2,3,-CD) Pyre	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (A,H) Anthracene	BDL	ug/l	3510/8270	4.0	02/01/92	02/01/92	MF
Dibenzo (G,H,I) Perylene	BDL	ug/l	3510/8270	6.0	02/01/92	02/01/92	MF
1-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
2-Methyl Napthalene	BDL	ug/l	3510/8270	2.0	02/01/92	02/01/92	MF
Arsenic	BDL	mg/l	206.3	0.01	01/29/92	02/04/92	JK
Barium	BDL	mg/l	208.2	0.1	01/29/92	02/04/92	JK
Cadmium	BDL	mg/l	213.2	0.001	01/29/92	02/03/92	JK
Chromium	BDL	mg/l	218.2	0.005	01/29/92	02/04/92	JK
Mercury	BDL	mg/l	245.1	0.001	01/29/92	01/30/92	JK
Lead	BDL	mg/l	239.2	0.005	01/29/92	02/03/92	JK
Selenium	BDL	mg/l	270.3	0.01	01/29/92	01/29/92	JK
Silver	BDL	mg/l	272.2	0.005	01/29/92	02/04/92	JK

BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-13

CLIENT # 18
ADDRESS: RINKER MATERIALS
PO BOX 650679
MIAMI, FL 33165

PAGE: 1
DATE: 02-17-1992
LOG #: 1289-14

SAMPLE DESCRIPTION: RINKER MATERIALS
105132-01 HANDEX
MIAMI, FL.
GROUNDWATER

LABEL: CEM-TP27
DATE SAMPLED: 01/27/92
DATE RECEIVED: 01/28/92
COLLECTED BY:CLIENT

Parameter	Result	Units	Method	Detection Limit	Extr. Date	Anal Date	Analyst
VOA in Water		ug/l	5030/8021		01/29/92	01/29/92	GP
Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Chlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,2,-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Toluene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
MTBE	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Ethyl Benzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
Total Xylenes	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,3-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP
1,4-Dichlorobenzene	BDL	ug/l	5030/8021	0.5	01/29/92	01/29/92	GP

* BDL = Below Detection Limits
All analyses were performed using EPA, ASTM, USGS, or Standard Methods

QAP # 90-0376G
HRS # 86356,86240
SUB HRS# 86122, 86109, E86048

Respectfully Submitted,

Jeffrey S. Glass
Laboratory Director

1289-14

Client #:18
Client Name:Rinker Materials
Address: P.O. BOX 650679
MIAMI, FL 33165

Sample Description: GROUNDWATER ANALYSIS

Date: 02/07/92
Log#: 1289-QC

Label: QUALITY CONTROL
Date Sampled: 01/27/92
Date Received: 01/28/92
Collected By: CLIENT

Parameter	% RECOVERY	% RSD
Benzene	86.3	0.6
Toluene	81.1	0.5
MTBE	93.5	2.0
Ethyl benzene	91.1	1.1
Total Xylenes	90.7	1.2
TPA	--	--
Naphthalene	71.8	8.4
Acenaphthene	84.5	8.3
Acenaphthylene	118	7.8
Anthracene	81.3	1.7
Benzo (A) Anthracene	95.9	5.6
Benzo (B) Fluoranthene	108	7.0
Benzo (K) Fluoranthene	96.4	7.1
Benzo (A) Pyrene	86.6	30
Dibenzo (G,H,I) Perylene	107	14.5
Chrysene	95.5	15.3
Dibenzo (A,H) Anthracene	44.5	10.3
Fluoranthene	87.1	16.3
Fluorene	93.4	1.3
Indeno-(1,2,3,-CD) Pyrene	57.4	4.2
Phenanthrene	88.8	8.6
Pyrene	153	5.1
1-Methyl Naphthalene	88.1	1.1
2-Methyl Naphthalene	88.1	1.1
EPA 610 COMPOUNDS		
Total Cadmium	109	2.1
Total Lead	100	2.3
Total Selenium	103	7.1
Total Arsenic	93.5	1.3
Total Chromium	99.3	2.4
Total Mercury	110	3.5
Total Silver	102	1.2
Total Barium	95	1.0

CHAIN OF CUSTODY RECORD

VOC ANALYTICAL LABORATORIES, INC.
877 N.W. 61 Street, Suite 202
Ft. Lauderdale, FL 33309
(305) 938-8823

VOC ANALYTICAL

Project Name or Number: 105132-01

Project Location: Miami, Florida

Client Name: Handex (Palm Springs)

Item Number	Sample Label	Date	Time	Ground Water	Surface Water	Soil	Other (specify)	Number of Containers	BETX + MTBE by EPA 602	EPA 610 + 1,2 methylnaphthalene	Ag by 272.2	As by 206.3	Ba by 208.2	Cd by 213.2	Cr by 218.2	Hg by 245.1	Pb by 239.2	Se (Hydride) (by 270.3)	Preservative Type	COMMENTS
~~CEM-6P27~~	CEM-6P27	1/27/92	1730	X				4	X	X	X	X	X	X	X	X	X	X	602→HCl 610→None Metals HNO3	
	CEM-7P27		1800						X	X	X	X	X	X	X	X	X	X		
	CEM-8P27		1745						X	X	X	X	X	X	X	X	X	X		
	CEM-9P27		1815						X	X	X	X	X	X	X	X	X	X		
	CEM-10P27		1830						X	X	X	X	X	X	X	X	X	X		
	CEM-11P27		1645						X	X	X	X	X	X	X	X	X	X		
	CEM-12P27		1630						X	X	X	X	X	X	X	X	X	X		
	CEM-13P27		1715						X	X	X	X	X	X	X	X	X	X		
	CEM-14P27		1700	↓					X	X	X	X	X	X	X	X	X	X		
	CEM-CP27		1605		X				X	X	X	X	X	X	X	X	X	X		
	CEM-DP27	↓	1845	X				↓	X	X	X	X	X	X	X	X	X	X	↓	

Will a Common Carrier be used? ________ Yes ________ No

Person Responsible for Sample

Remarks:

Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
1					
2					
3					
4					

VOC ANALYTICAL LABORATORIES, INC.
877 N.W. 61 Street, Suite 202
Ft. Lauderdale, FL 33309
(305) 938-8823

CHAIN OF CUSTODY RECORD

VOC ANALYTICAL

Project Name or Number	Project Location
105132-01	Miami Florida

Client Name: Handex (Palm Springs)

Item Number	Sample Label	Date	Time	Sample Description (CHECK ONE) Ground Water	Surface Water	Soil	Other (specify)	Number of Containers	Laboratory Analysis: BETX + MTBE by 602	610 + 1,2 Methylnaphthalene	As by 7060	Ba by 6010	Cd by 7131	Cr by 7191	Hg by 7470	Pb by 7421	Se (Hydride) by 7741	Preservative Type	COMMENTS
	CEM-RB27	1/27/92	1600	X				4	X	X	X	X	X	X	X	X	X	X	602→HCl 610→NaOH Metals HNO3
	CEM-RBP27	1/27/92	1900	X				4	X	X	X	X	X	X	X	X	X	X	
	CEM-TB27	1/27/92	—	X				2	X										

Will a Common Carrier be used? _____ Yes _____ No

Person Responsible for Sample

Remarks:

Transfer Number	Item Number	Transfers Relinquished by:	Accepted by:	Date	Time
1					
2					
3					
4					

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ENFORCEMENT TELEPHONE LOG

CASE NAME: Rinker - Miami DATE: 2/19/92 TIME: 1:45p

CONTACT: Mike Vardeman OF: Rinker CALLED / WAS CALLED

PHONE: ______________________

****

DISCUSSION:

- Rinker's soil thermal treatment facility is in operation 2/9/92
- He will do additional sampling of wells & will propose it in a letter to the Dept.

Paul Wierzbicki
PREPARED BY: ______________

Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

November 14, 1991

Mr. William Voshell
Rinker Materials Corporation
Post Office Box 24635
West Palm Beach, Florida 33416

RE: Workshop to Discuss Issuance/Modification of State Permits for Managing TC Wastes

Dear Mr. Voshell:

The State of Florida adopted the Toxicity Characteristic (TC) test in the recently revised 17-730 rule. In order to clarify the relationship between your status with EPA and state permitting requirements, you are invited to attend a workshop to be held on December 13, 1991 at the Roadway Inn in Orlando. The workshop will cover the impact of the newly adopted rule on regulated facilities, state permitting procedures for either permit issuance or modification and revised hazardous waste permit fees.

In order to assist us in planning for adequate facilities and materials, please let us know who will be attending from your facility by December 4, 1991. A registration form is enclosed. A copy of workshop materials will be provided on disk in Word Perfect format. If necessary, printed copies can be provided after the workshop. An agenda for the workshop is attached. There is no fee for attending the workshop.

The telephone number for reservations at the Roadway Inn is 1-800-826-4847. You should request the room rate for the TC Workshop. The Inn is located at 9956 Hawaiian Court just off International Drive.

If you have any questions or need additional information on the workshop, please call Mr. Doug Outlaw at 904/488-0300.

Sincerely,

Bill Neimes
for Satish Kastury
Environmental Administrator
Hazardous Waste Regulation

SK/DGO/rz

Enclosures

cc: Jim Kutzman, EPA/Region IV
District Program Administrators

AGENDA

TC STATE PERMIT IMPLEMENTATION WORKSHOP

Friday, December 13, 1991

Rodeway Inn, Orlando

Time	Topic
8:30 am	Registration
9:00 am	Opening Remarks
9:15 am	TC Rule/Interim Status
10:00 am	State Rule Adoption, 17-730, FAC
	Permit Application
	FDER New Permit Fees
10:30 am	Break
10:45 am	Temporary Operating Permit Requirements
11:00 am	Closure Permits
Noon	Lunch
1:15 pm	TC Compliance/Enforcement Issues
2:45 pm	Break
3:00 pm	Facility Questions
4:00 pm	Conclusion

REGISTRATION FORM

TC WORKSHOP

The following individual will attend the TC Workshop at 8:30 am on Friday, December 13, 1991, at the Rodeway Inn in Orlando:

Name_____

Position/Title_____

Organization_____

Address_____

Telephone Number_(_____)_____

Return to: Florida Department Of Environmental Regulation
Bureau of Solid & Hazardous Waste, Room 471
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

REGISTRATION FORM

TC WORKSHOP

The following individual will attend the TC Workshop at 8:30 am on Friday, December 13, 1991, at the Rodeway Inn in Orlando:

Name_____

Position/Title_____

Organization_____

Address_____

Telephone Number_(_____)_____

Return to: Florida Department Of Environmental Regulation
Bureau of Solid & Hazardous Waste, Room 471
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rinker Materials Corporation
1501 Belvedere Road
West Palm Beach, FL 33406

P.O. Box 24635
West Palm Beach, FL 33416

Facsimile (407) 659-4361
Telephone (407) 833-5555

October 24, 1991

Certified Mail
Return Receipt Requested
P-586134749

Mr. James H. Scarbrough, P.E. Chief
RCRA Branch - Waste Management Division
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Ga 30365

Re: Part A Interim Status Notification

Dear Mr. Scarbrough:

By letter dated June 27, 1990, Rinker Materials Corporation (Rinker) protectively filed a Part A Interim Status Notification for its cement manufacturing operation as it related to the Agency's March 29, 1990 promulgated rule for TCLP characteristic solid wastes.

Today Rinker requests the withdrawal of that notification. To date, no TCLP waste has been stored, treated or disposed of onsite nor does Rinker intend to do so. By copy of this letter, Rinker is also informing the State of Florida DER, Hazardous Waste Regulation Section of the same. As a result there is no need to file a Temporary Operating Permit for the handling of TCLP wastes.

Should there be any questions, call me at 407-820-8348.

Sincerely,

RINKER MATERIALS CORPORATION

William Voshell

William Voshell
Environmental Manager

cc: Satish Kastury-Florida DER
Gary Early-Florida DER
Paul Wierzbicki-Florida DER Southesat District
Rick Poley-Dade County DERM

f:Part A ISS

WEV:jb

Rinker Materials

Rinker Materials Corporation
1501 Belvedere Road
West Palm Beach, FL 33406

P.O. Box 24635
West Palm Beach, FL 33416

Facsimile (407) 659-4361
Telephone (407) 833-5555

October 24, 1991

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Mr. James H. Scarbrough, P.E. Chief
RCRA Branch - Waste Management Division
U.S. Environmental Protection Agency
345 Courtland Street, N.E.
Atlanta, Ga 30365

Re: Part A Interim Status Notification

Dear Mr. Scarbrough:

By letter dated June 27, 1990, Rinker Materials Corporation (Rinker) protectively filed a Part A Interim Status Notification for its cement manufacturing operation as it related to the Agency's March 29, 1990 promulgated rule for TCLP characteristic solid wastes.

Today Rinker requests the withdrawal of that notification. To date, no TCLP waste has been stored, treated or disposed of onsite nor does Rinker intend to do so. By copy of this letter, Rinker is also informing the State of Florida DER, Hazardous Waste Regulation Section of the same. As a result there is no need to file a Temporary Operating Permit for the handling of TCLP wastes.

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Paul Wierzbicki-Florida DER Southesat District
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f:Part A ISS

WEV:jb

Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

October 10, 1991

RECEIVED
OCT 17 1991
DEPT. OF ENVIRONMENTAL REG.
WEST PALM BEACH

Mr. William Voshell
Rinker Materials Corporation.
P.O. Box 24635
West Palm Beach, Florida 33416

Re: Temporary Operation Permit (TOP) for Handling TC Waste

Dear Mr. Voshell:

The purpose of this letter is to notify you of the revised Florida Administrative Code (FAC) 17-730 rule that may apply to your facility. Facilities newly regulated under Toxicity Characteristics (TC) rule must comply with FAC 17-730.231 for obtaining a Temporary Operation Permit (TOP). To obtain the TOP status, you must submit to the Department of Environmental Regulation (DER) Part I of the Application for a Hazardous Waste Facility Permit (form enclosed) and the TOP fee of $1000 prior to October 30, 1991. Please note that the current permit fee structure may increase substantially under FAC 17-4 in the near future. If you wish to continue to operate a TSD facility, you must submit a complete application for an operating permit prior to September 10, 1992.

If your facility chooses not to apply for a storage permit and subsequently generates TC waste, this waste must be shipped off-site using proper ID number and manifests to a permitted TSD facility within ninety (90) days under existing hazardous waster regulations. If the 90 day limit is exceeded, the facility may be in violation for storing hazardous waste without a permit and may be subjected to enforcement action.

Enclosed is a copy of DER Form 17-730.900(2) and map indicating district boundaries and contact telephone numbers. Your application should be submitted directly to the appropriate District Office. You must submit an application for a TOP even though you have obtained EPA interim status. If you have any questions, please call Bill Neimes at 904/488-0300.

Sincerely,

Satish Kastury, Administrator
Hazardous Waste Regulation

SK/do
Enclosure

cc: District Waste Program Administrators
District Enforcement Supervisors
District Permitting Supervisors
Gary Early, DER/OGC
James Scarbrough, EPA/Region IV

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ENFORCEMENT TELEPHONE LOG

CASE NAME: Rinker DATE: 10/22/91 TIME: 2:00p

CONTACT: Mike Vardeman OF: Rinker CALLED / WAS CALLED

PHONE: 305/221-7645

****

DISCUSSION:

- New tent installed to cover the SS.
- Concrete floor was poured for the new building.
- They are at task w/ building const.

PREPARED BY: Rinker

Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

October 10, 1991

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OCT 17 1991
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P.O. Box 24635
West Palm Beach, Florida 33416

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Sincerely,

Satish Kastury, Administrator
Hazardous Waste Regulation

SK/do
Enclosure

cc: District Waste Program Administrators
District Enforcement Supervisors
District Permitting Supervisors
Gary Early, DER/OGC
James Scarbrough, EPA/Region IV

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

ENFORCEMENT TELEPHONE LOG

CASE NAME: Rinker Miami DATE: 10/14/91 TIME: 10:45a

CONTACT: Mike Vordenaal OF: Rinker CALLED/ ~~WAS CALLED~~

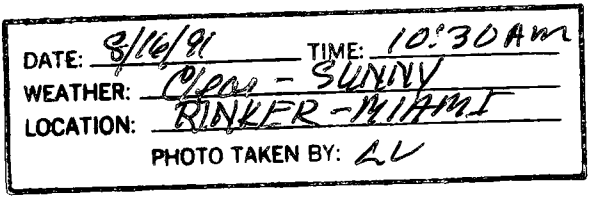
PHONE: 305/221-7645

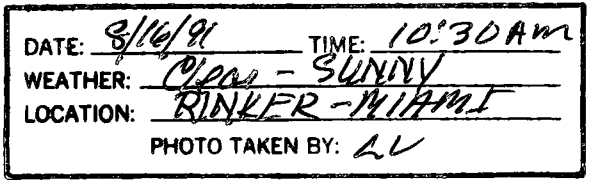
****

DISCUSSION:

- Called to inquire status of SS Thermal Treat facil.
- Concrete to be poured on Sat 10/19.
- Building to be ready by 1/1/92; on schedule
- New test for temp. facility to be delivered today + installed 10/15/91, weather permitting

PREPARED BY: Paula


DATE: 8/16/91
TIME: 10:30 AM
WEATHER: Clear - SUNNY
LOCATION: RINKER - MIAMI
PHOTO TAKEN BY: LV


DATE: 8/16/91
TIME: 10:30 AM
WEATHER: Clear - SUNNY
LOCATION: RINKER - MIAMI
PHOTO TAKEN BY: LV


RUBBERSCREEN


GROVE
644E


400


10.13

Department of Environmental Regulation

Routing and Transmittal Slip

To: (Name, Office, Location)

1. Lou Valcareghi IW
2. Cher Petro (CP)
3. Lee Martin
4.

Remarks:

Please review + comment
+ initial.

+ return to Paul

Thanx

- Please discuss if questions

From: Paul

Date 9/18/91

Phone

MEETING ATTENDANCE

DATE: 8/16/91

17-775, FAC Insp.

COMPANIES: Rinker

AGENCIES: DER

NAME	REPRESENTING	TELEPHONE NO.
Paul Wierzbicki	DER/SEFD WASTE	407/433-2650
CHER PETRO	DER/SEFD WASTE CLEAN UP	407/433-2650
LEE MARTIN	" "	"
LOUIS VALCARENGHI	DER/HAZ WASTE	"
Michael Yarbrough	Rinker Materials	305-221-7645
[signature]	Rinker Materials	305-221-7645