Revision Number: 0
Page Number: 1
Preparation Date: June 16, 1997

DEP Form #	62-710.901
Form Title	Used Oil Processing Facility Permit Application
Effective Date	December 23, 1996

HO13-307959

APPLICATION FORM FOR A USED OIL PROCESSING FACILITY PERMIT

Part I

TO BE COMPLETED BY ALL APPLICANTS *(Please type or print)*

A. General Information

1. New X Renewal ____ Modification ____ **Date old permit expires February 2001**
General Permit SO13-285389

2. Revision number 0

3. NOTE: Processors must also meet all applicable subparts, **(describe compliance in process description for applicable standards)** if they are:
____ generators (Subpart C)
____ transporters (Subpart E)
X burners of off-spec used oil (Subpart G)
____ marketers (Subpart H)
or
____ are disposing of used oil (Subpart I)

RECEIVED
JUN 19 1997
DEPT OF ENV PROTECTION
WEST PALM BEACH

4. Date current operation began: **Waste oil used as fuel since 1974**

5. Facility name: **CSR Rinker Materials Corporation**

6. EPA identification number: **FLD981758485**

7. Facility location or street address: **1200 NW 137th Avenue, Miami, Dade County, Florida 33182**

8. Facility mailing address:
1200 NW 137th Avenue — **Miami, FL 33182**
Street or P.O. Box — City State Zip Code

9. Contact person: **Michael D. Vardeman** Telephone: **(305) 229-2955**
Title: **Cement Division Environmental Manager**
Mailing address:
1200 NW 137th Avenue — **Miami, FL 33182**
Street or P.O. Box — City State Zip Code

10. Operator's name: **Mike Gordon -- Plant Manager** Telephone: **(305) 221-7645**
Mailing address:
1200 NW 137th Avenue — **Miami, FL 33182**
Street or P.O. Box — City State Zip Code

11. Facility owner's name: **CSR Rinker Materials Corporation** Telephone: **(561) 833-5555**
Mailing address:
1501 Belvedere Road — **West Palm Beach, FL 33416**
Street or P.O. Box — City State Zip Code

12. Legal structure:
X corporation (indicate state of incorporation) **Florida**
_____ individual (list name and address of each owner in spaces provided below)
_____ partnership (list name and address of each owner in spaces provided below)
_____ other, e.g. government (please specify) _____

DEP Form #	62-710.901
Form Title	Used Oil Processing Facility Permit Application
Effective Date	December 23, 1996

If an individual, partnership, or business is operating under an assumed name, enter the county and state where the name is registered: County NA State _____

Name: NA
Mailing Address:

Street or P.O. Box City State Zip Code

Name: NA
Mailing Address:

Street or P.O. Box City State Zip Code

Name: NA
Mailing Address:

Street or P.O. Box City State Zip Code

Name: NA
Mailing Address:

Street or P.O. Box City State Zip Code

13. Site ownership status: [X] owned [ ] to be purchased [ ] to be leased ___ years
[ ] presently leased; the expiration date of the lease is: _____

If leased, indicate:
Land owner's name: NA
Mailing Address:

Street or P.O. Box City State Zip Code

14. Name of professional engineer Steven C. Cullen, P.E. Registration No. 45188
Mailing Address:
4014 NW 13th Street Gainesville FL 32609
Street or P.O. Box City State Zip Code
Associated with: Koogler & Associates Environmental Services

B. SITE INFORMATION

1. Facility location:
County: Dade
Nearest community: Miami
Latitude: 25°47'17" Longitude: 80°25'26"
Section: 34 Township: 53 S Range: 39 E
UTM # 17/557.761/2852.177

2. Facility size (area in acres): 300

DEP Form #	62-710.901
Form Title	Used Oil Processing Facility Permit Application
Effective Date	December 23, 1996

3. Attach a topographic map of the facility area and a scale drawing and photographs of the facility showing the location of all past, present and future material and waste receiving, storage and processing areas, including size and location of tanks, containers, pipelines and equipment. Also show incoming and outgoing material and waste traffic pattern including estimated volume and controls. **[Attachment 1: USGS Topographic Map and FEMA Flood Zone Map]**

C. OPERATING INFORMATION

1. Hazardous waste generator status (SQG, LQG) **SQG**

2. List applicable EPA hazardous waste codes:
   D001

3. Attach a brief description of the facility operation, nature of the business, and activities that it intends to conduct, and the anticipated number of employees. No proprietary information need be included in this narrative.

   A brief description of the facility operation is labeled as Attachment 2: Facility Operation

4. Attach a detailed description of the process flow should be included. This description should discuss the overall scope of the operation including analysis, treatment, storage and other processing, beginning with the arrival of an incoming shipment to the departure of an outgoing shipment. Include items such as size and location of tanks, containers, etc. A detailed site map, drawn to scale, should be attached to this description. (See item 4, page 4).

   The facility's detailed process description is labeled as Attachment 3: Detailed Process Description

5. The following parts of the facility's operating plan should be included as attachments to the permit application. (See item 5 on pages 4 and 5):
   a. An analysis plan which must include:
      (i) a sampling plan, including methods and frequency of sampling and analyses;
      (ii) a description of the fingerprint analysis on incoming shipments, as appropriate; and
      (iii) an analysis plan for each outgoing shipment (one batch/lot can equal a shipment, provided the lots are discreet units) to include: metals and halogen content.

   The analysis plan is labeled as Attachment 4: Material Substitution Program

   b. A description of the management of sludges, residues and byproducts. This must include the characterization analysis as well as the frequency of sludge removal.

   Sludge, residue and byproduct management description is Attachment 4: Material Substitution Program

   c. A tracking plan which must include the name, address and EPA identification number of the transporter, origin, destination, quantities and dates of all incoming and outgoing shipments of used oil.

   The tracking plan is included as Attachment 4: Material Substitution Program

DEP Form #	62-710.901
Form Title	Used Oil Processing Facility Permit Application
Effective Date	December 23, 1996

6. Attach a copy of the facility's preparedness and prevention plan. This requirement may be satisfied by modifying or expounding upon an existing SPCC plan. Describe how the facility is maintained and operated to minimize the possibility of a fire, explosion or any unplanned releases of used oil to air, soil, surface water or groundwater which could threaten human health or the environment. (See item 6, page 5).

   The preparedness and prevention plan is labeled as Attachment 5: Preparedness/Prevention Plan

7. Attach a copy of the facility's Contingency Plan. This requirement should describe emergency management personnel and procedures and may be met using a modifying or expounding on an existing SPCC plan or should contain the items listed in the Specific Instructions. (See item 7 on pages 5 and 6).

   The contingency plan is labeled as Attachment 6: Contingency Plan

8. Attach a description of the facility's unit management for tanks and containers holding used oil. This attachment must describe secondary containment specifications, inspection and monitoring schedules and corrective actions. This attachment must also provide evidence that all used oil process and storage tanks meet the requirements described in item 8b on page 6 of the specific instructions, and should be certified by a professional engineer, as applicable.

   The unit management description is labeled as Attachment 7: Unit Management Plans

9. Attach a copy of the facility's Closure plan and schedule. This plan may be generic in nature and will be modified to address site specific closure standards at the time of closure. (See item 9, pages 6 and 7).

   The closure plan is labeled as Attachment 8: Closure Plan

10. Attach a copy of the facility's employee training for used oil management. This attachment should describe the methods or materials, frequency, and documentation of the training of employees in familiarity with state and federal rules and regulations as well as personal safety and emergency response equipment and procedures. (See item 10, page 7).

    A description of employee training is labeled as: Not required by 40 CFR 279 or 62-710, F.A.C.

NOTE: The term "used oil" as stated in this application and attachments, means used oil and "petroleum contact water" as defined by Rule 62-740, F.A.C.

DEP Form #	62-710.901(a)
Form Title	Used Oil Processing Facility Permit Application
Effective Date	December 23, 1996

APPLICATION FORM FOR A USED OIL PROCESSING PERMIT

Part II - CERTIFICATION

TO BE COMPLETED BY ALL APPLICANTS

Form 62-710.901(a). Operator Certification

Facility Name: CSR Rinker Materials Corporation EPA ID# FLD981758485

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment or knowing violations. Further, I agree to comply with the provisions of Chapter 403, Florida Statutes, Chapter 62-710, F.A.C., and all rules and regulations of the Department of Environmental Protection.

Signature of the Operator or Authorized Representative*

X James S. Jenkins III

James S. Jenkins, III -- Vice President, Cement Operations
Name and Title (Please type or print)

Date: X Telephone: (305) 221-7645

* If authorized representative, attach letter of authorization.

DEP Form #	62-710.901(d)
Form Title	Used Oil Processing Facility Permit Application
Effective Date	December 23, 1996

APPLICATION FORM FOR A USED OIL PROCESSING PERMIT

Part II - CERTIFICATION

Form 62-710.901(d). P.E. Certification [Complete when required by Chapter 471, F.S. and Rules 62-4.050, 62-761, 62-762, and 62-710, F.A.C.]

Use this form to certify to the Department of Environmental Protection for:

1. Certification of secondary containment adequacy (capacity), structural integrity (structural strength), and underground process piping for storage tanks, process tanks, and container storage.
2. Certification of leak detection.
3. Substantial construction modifications.
4. Those elements of a closure plan requiring the expertise of an engineer.
5. Tank design for new or additional tanks.
6. Recertification of above items.

Please Print or Type

__X__ Initial Certification _____ Recertification

1. DEP Facility ID Number: 8521974 2. Tank Numbers: 1, 2, 3, 4

3. Facility Name: CSR Rinker Materials Corporation

4. Facility Address: 1200 NW 137th Avenue, Miami, Dade County, Florida 33182

This is to certify that the engineering features of this used oil processing facility have been ~~designed~~/examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, this facility, when properly constructed, maintained and operated, or closed, will comply with all applicable statutes of the State of Florida and rules of the Department of Environmental Protection.

Signature

Steven C. Cullen, P.E.
Name (please type)

Florida Registration Number: 45188

Mailing Address: 4014 NW 13th Street
Street or P.O. Box

Gainesville	FL	32609
City	State	Zip

Date: 6/16/97 Telephone (352) 377-5822

[PLEASE AFFIX SEAL]

ATTACHMENT 1

USGS Topographic Map
FEMA Flood Zone Map

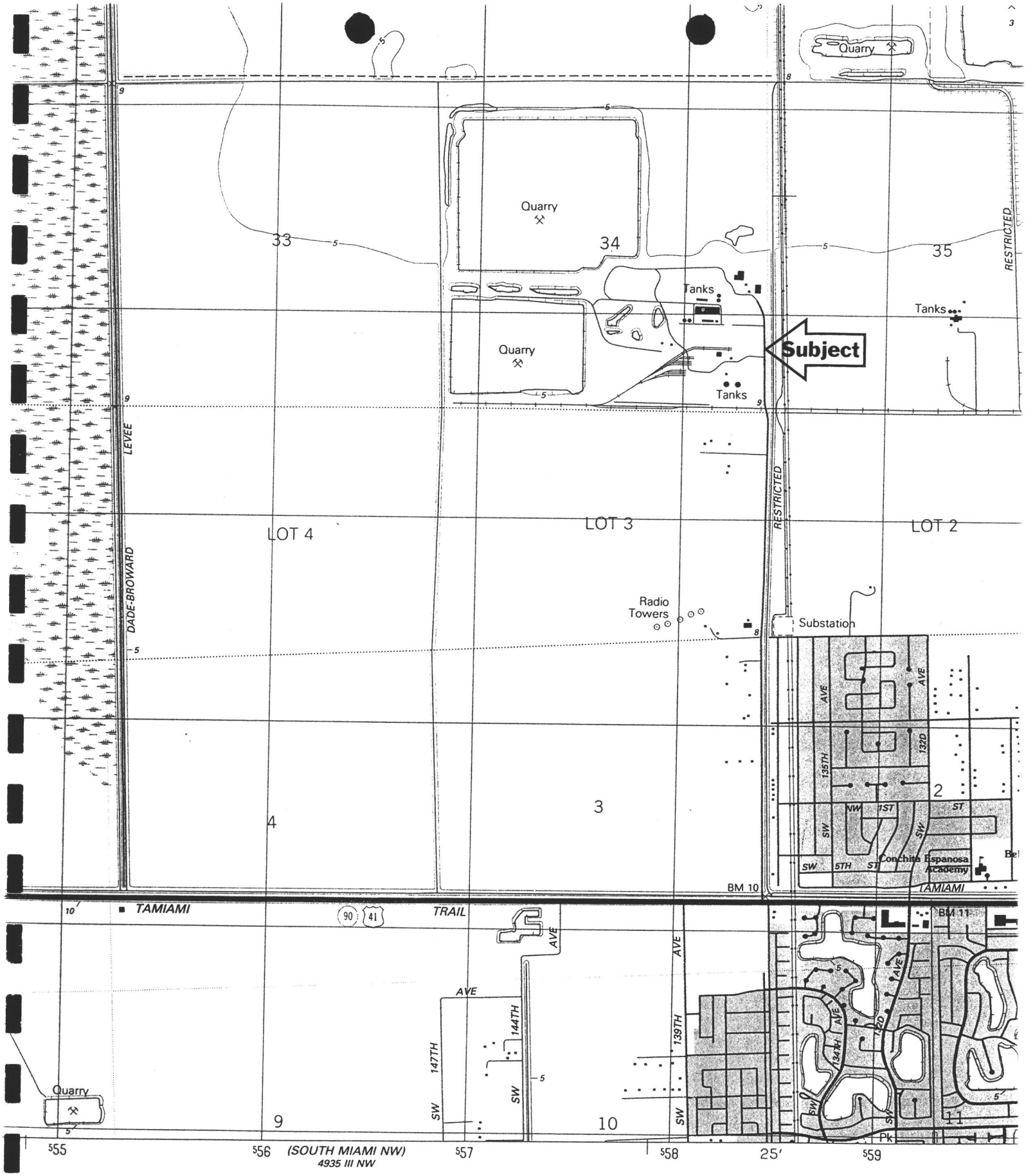
Attachment 1: USGS Topographic Map and FEMA Flood Zone Map

Attached:

- Topographic map of the facility area (standard USGS contour map extending 2000 feet beyond the property boundaries of the facility), including map scale, date, and orientation.
- FEMA map, showing flood plain area, including map scale, date, and orientation.
- Scale drawing of the facility.

On file with the Department (Solid Waste Section)

- Current aerial photograph of the facility
- Certified boundary Survey



HIALEAH SW -- 1988 SCALE 1:24 000

NORTH

.5 0 1
MILES

0 1000 2000 3000 4000 5000 6000 7000 8000 9000 10 000
FEET

1 .5 0 KILOMETERS 1 2
1000 0 METERS 1000 2000

CONTOUR INTERVAL 5 FEET

FLORIDA

FEDERAL EMERGENCY MANAGEMENT AGENCY
FLOOD INSURANCE RATE MAP
DADE COUNTY, FLORIDA

PANEL 155 of 625
MAP NO. 12025C0155J
MAP REVISED MARCH 2, 1994

NW 102ND AV

LEGEND

SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD

ZONE A	No base flood elevations determined.
ZONE AE	Base flood elevations determined.
ZONE AH	Flood depths of 1 to 3 feet (usually areas of ponding); base flood elevations determined.
ZONE AO	Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); average depths determined. For areas of alluvial fan flooding, velocities also determined.
ZONE A99	To be protected from 100-year flood by Federal flood protection system under construction; no base flood elevations determined.
ZONE V	Coastal flood with velocity hazard (wave action); no base flood elevations determined.
ZONE VE	Coastal flood with velocity hazard (wave action); base flood elevations determined.

N

APPROXIMATE SCALE
1000 0 1000 FEET

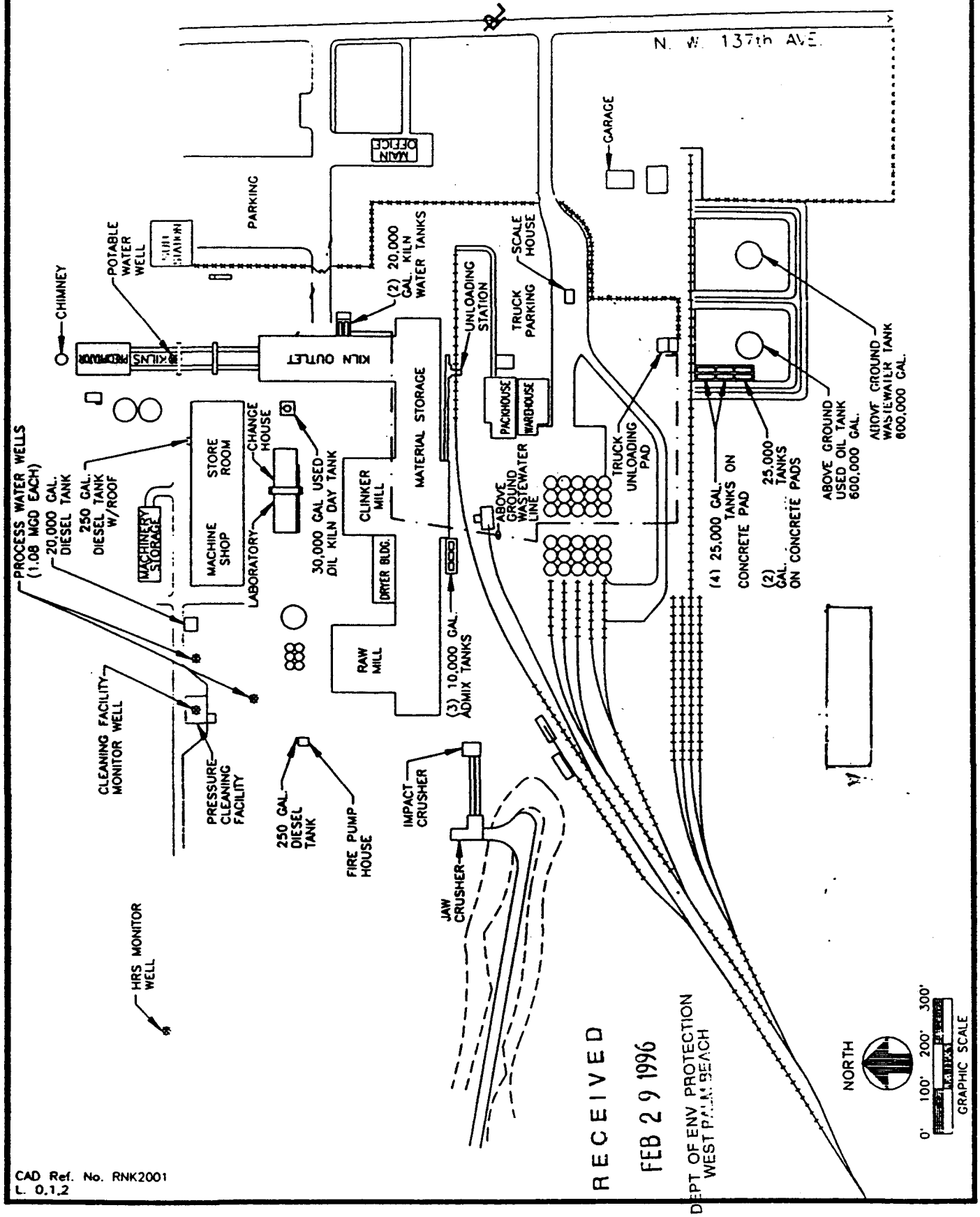
ZONE AH
(EL 7)

33

34

SUBJECT

GSI	DATE: NOV. 1990	FOR: RINKER PORTLAND CEMENT CORP.	SUBJECT: SITE PLAN	EXHIBIT 2
LOCATION: 12[illegible] N.W. 137th AVE., MIAMI, FLORIDA				



CAD Ref. No. RNK2001
L. 0,1,2

ATTACHMENT 2

Facility Operation

Attachment 2: Facility Operation

Brief Narrative Overview of the Entire Facility Operation

General description of the facility

The cement manufacturing facility currently known as CSR Rinker Materials Corporation, was built by Lehigh Corporation and placed into operation on July 1, 1958. In 1976, Rinker Materials Corporation purchased the facility from Lehigh to augment Rinker's rapidly expanding construction materials business. In 1987 Rinker Materials Corporation was purchased by CSR of Australia.

The cement production and materials substitution activities are situated on approximately 300 acres. Another contiguous 3,000 acres are designated for limestone quarrying operations and environmental buffers.

The nature of the business

The nature of the business is the production of construction materials, specifically cement and crushed stone.

Activities conducted

- Cement production
- Crushed stone production
- Thermal treatment of petroleum-contaminated soil and non-hazardous coal tar contaminated soil
- Processing of used oil, oil filters, and waste tires as fuel for the cement kilns and soil thermal treatment facility

Number of employees: Approximately 130

Types of employees

- General laborers
- Equipment operators
- Supervisors
- Managers

FACILITY DESCRIPTION

The CSR Rinker Miami Cement Mill is an elaborate mining, manfacturing, storage and distribution complex. The design of the facility is sophisticated and comprehensive in order to eficiently transform various raw materials into Portland Cement. The principal raw material is coral rock which is mined on site. This and other raw materials proceed through diversified phases such as crushing, screening, grinding, slurry mixing, kiln firing, finish grinding, packing and shipment. Since these operations are accomplished through a vast array of capital equipment, tremendous energy requirements are inherent. A preponderous of these energy requirements is supplied by various fuel sources including, but not limited to, coal, pet coke, tires, waste oil etc. Thus large quantities of petroleum products are received, stored, transferred, and consumed in the process funcions.

An efficient Portland Cement manufacturing process dictates a continuous, round the clock operation. Since the facility is manned, operated and monitored perpetually, there is increased probability of detection in the eventuality of an oil spill. The probability of a severely detrimental oil spill is lessened by the nauture of the industrial facility and its operation.

I. Company Identification

The cement manufacturing facility currently known as Rinker Materials Corporation, Miami Cement Plant was built by Lehigh Company and placed into operation on July 1, 1958.

In 1976, Rinker Materials Corporation purchased the facility from Lehigh to augment Rinker's rapidly expanding construction materials business.

The cement production facility is situated on approximately 300 acres. Another contiguous 3,000 acres are designated for raw materials quarry operation (sand and limestone) and environmental buffers.

The cement production facility is comprised of 8 basic operations. They are (1) Quarry, (2) Rock Crushing, (3) Material Storage, (4) Raw Grinding, (5) Slurry Mixing (6) Rotary Kilns and Coolers, (7) Finish Grinding, and (8) Shipping ~~(See Exhibit #1)~~.

ATTACHMENT 3

Detailed Process Description

Attachment 3: Detailed Process Description

Used Oil Process Description

Rinker accepts used oil for processing in its cement kilns. Used oil is used as fuel for the kilns and for the soil thermal treatment facility. Petroleum contact water is used in the raw material slurry, prior to kiln introduction.

Materials are analyzed by the generator for the following parameters:

Used Oil:	Total hydrocarbons Total Halogens PCB scan if halogens present EPA Method 601 if total halogens > 1000 ppm Metals -- arsenic, cadmium, chromium, lead, and mercury
Petroleum Contact Water:	EPA Method 601 EPA Method 602 and/or 610 Total Halogens Metals -- arsenic, cadmium, chromium, lead, and mercury

Rinker reviews the data on each material as to its acceptability. Upon approval, the material is assigned a control number. Once the materials are approved for receipt, notification is given to the generator/transporter and delivery is scheduled.

Each transport vehicle is escorted to the assigned storage area, off-loaded, and returned to the scalehouse. Samples of the material are obtained, and the material is segregated until Quality Control confirms that the material is as previously approved. Quality Control performs the following analyses:

Used Oil:	BTU's % Water Dexsil Kit PCB's Total Halogens Total Metals -- arsenic, cadmium, chromium, and lead
Petroleum Contact Water:	Total VOA Chloride

After Quality Control confirms the acceptability of the material, the materials are processed as described above. Used oil is off-loaded via the pumphouse located at the major tank farm, and is directed either straight to oil storage or to separation tanks. Upon the accumulation of sufficient volume, used oil is transferred to the fuel feed day tank for combustion in the kilns.

Petroleum contact water is off-loaded into the major tank farm or into water feed tanks located adjacent to the kilns.

40 CFR 279 Subpart G Compliance

Subpart G (40 CFR 279.60 - 40 CFR 279.69) is applicable because CSR Rinker is permitted to burn off-specification used oil, per 40 CFR 279.11, in their cement kilns.

40 CFR 279.60 *Applicability:*
Facility is defined as a "used oil burner"

40 CFR 279.61 *Restrictions on Burning:*
Cement kilns are defined as "industrial furnaces" per 40 CFR 260.10

40 CFR 279.62 *Notification:*
Rinker has obtained an EPA identification number

40 CFR 279.63 *Rebuttable Presumption for Used Oil*
Compliance is achieved by testing the used oil

40 CFR 279.64 *Used Oil Storage*
Compliance is demonstrated by compliance with Rule 62-762, F.A.C.

40 CFR 279.65 *Tracking*
Compliance is achieved by the Tracking Plan portion of the Operating Plan (Attachment 4 of this Application).

40 CFR 279.66 *Notices*
All appropriate notices are performed.

40 CFR 279.67 *Management of Residues*
Not applicable -- no residues are generated specifically from the storage or burning of used oil.

Cement Manufacturing Process

The process that is used at the Miami facility to manufacture cement is called the "Wet Process."

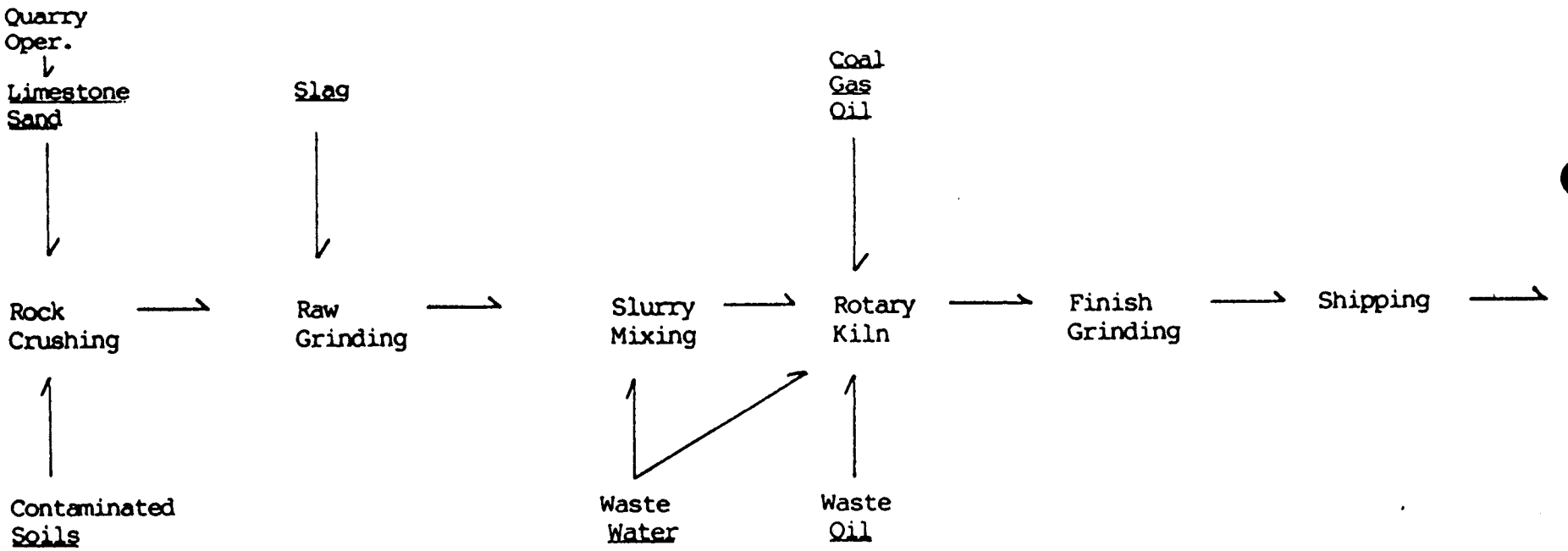
In this closed loop production system limestone rock and sand are mined in our quarry and combined with power plant slag (received from Florida and Georgia). This mixture (approx. 3,000 tons per day) is ground and combined with 300,000 gallons per day of water to produce a high solids slurry. (See Exhibit #2).

This slurry is then introduced into two 475 foot rotary kilns. (See Exhibit #3). The slurry remains in the kilns for 3 to 4 hours and is heated, dried and calcined at a material temperature of about 2750 degrees F. At this temperature of incipient fusion a new mineralogical substance called clinker is produced (See Exhibit #4).

NOTE: The fuels used to fire the kilns are coal, gas, oil, waste oil. These fuels can be used alone or in combinations with the other fuel sources. Waste oil has been utilized as fuel since 1974. Coal has been used since 1979.

The resulting clinker (approx. 1,700 tons per day) is cooled and ground with imported gypsum and other special property admixtures to produce the product known as Portland Cement.

RAW MATERIAL FLOW DIAGRAM



ATTACHMENT 4

Material Substitution Program

Attachment 4: Material Substitution Program

See attached Operating Plan, labeled as Material Substitution Program, which includes the following elements:

a. An analysis plan which includes:

(i) a sampling plan, including methods and frequency of sampling and analyses

(ii) a description of the fingerprint analysis on incoming shipments, as appropriate
Not applicable -- not subject to Subpart F

(iii) an analysis plan for each outgoing shipment (one batch/lot can equal a shipment, provided the lots are discreet units) to include: metals and halogen content.
Not applicable -- no outgoing shipments

b. A description of the management of sludges, residues and byproducts. This must include the characterization analysis as well as the frequency of sludge removal.
Not applicable -- all materials are utilized in cement-making

c. A tracking plan which must include the name, address and EPA identification number of the transporter, origin, destination, quantities and dates of all incoming and outgoing shipments of used oil.

c) An explanation or copies of the forms used for the purposes of tracking and recording shipments of used oil into and out of the facility. These records must be retained for at least three years, and must include:

- For incoming shipments: the name, address, and EPA ID number of the delivering transporter, the name address and EPA ID number (if applicable) of the origin of the used oil, the quantity of the used oil accepted, and the date of acceptance.

- For outgoing shipments: the name, address, and EPA ID number of the transporter and end user of the outgoing shipment, the quantity of used oil shipped, and the date of shipment.
Not applicable -- no outgoing shipments

III. Material Substitution Program

Rinker Materials Corporation accepts for processing in its cement kiln operation contaminated soils and waters that have been certified to be non-hazardous. This fully permitted facility provides an environmentally sound method of processing contaminated materials into cement. EPA has acknowledged the great service that kilns have provided in removing contaminated materials from the environment because of their high operating temperatures and long residence times of the gases.

Essentially, a portion of the contaminated materials are substituted for a small percentage of the comparable raw materials normally utilized in the plant operation. These raw mix materials are proportioned and then ground into a slurry which is sent to one of the two operating kilns. The kilns are approximately 475 feet in length and serve as a rotary furnace in bringing the processed slurry to a minimum material temperature of 2750 degrees fahrenheit. At these temperatures, the resulting fusion reaction creates a new material known as clinker which, when added with gypsum, is ground together to make Portland Cement.

Each of the contaminated materials is incorporated into the cement manufacturing process in the following manner:

Contaminated Soils, Waters, and Waste Oils are received by Rinker and delivered to the various phases of the process where similar raw materials are being normally utilized. (See Exhibit 7).

1) Soils are combined with the mined limestone rock, sand and fed through the crusher, raw grinding mills and mixed with water for production of kiln feed slurry.

2) Waters are delivered for incorporation into the slurry make up and or reslurring of electrostatic precipitator fines.

3) Waste oils are delivered as straight kiln fuel feed, or in combination with other fuel sources (coal, gas, oil).

All materials received in this operation are precertified by an outside laboratory which tests to insure that they are non-hazardous as regulated under 40 CFR Part 261 and that they do not exceed state mandated limits. Additionally, prior acceptance approval is generally given by the appropriate local county environmental regulatory or state agency.

IV. Material Substitution Qualification Procedure

Before materials can be received by Rinker for inclusion into the Material Substitution Program (MSP), each candidate usually analyzed by the generator for the following parameters.

Contaminated Soils

- 8010
- 8020 and or 8100
- Total Halogens
- Metals - Arsenic, Cadmium, Chromium, Lead, Mercury

Contaminated Water

- 601's
- 602's and or 610's
- Total Halogens
- Metals - Arsenic, Cadmium, Chromium, Lead, Mercury

Waste Oil

- Total Hydrocarbon
- Total Halogens
- Metals - Arsenic, Cadmium, Chromium, Lead, Mercury
- PCB Scan (if Halogens present)
- (If total halogens exceed 1000 PPM; test for 601's)

This analytical information is provided to Rinker by the generator via a "Material Substitution Data Sheet" (See Exhibit #8) In addition, the generator must provide a representative sample of the contaminated material as well as any required county documentation, approvals and or consultant information pertinent to the contaminated material(s).

Once the MSDS and related information is received from the Generator, Rinker reviews the data on each material as to its acceptability into the MSP. Upon approval, the material is assigned a specific Materials Substitution control number. This specific number is used to record and track the material through final disposition and generator notifications.

EXHIBIT 10

RINKER MATERIALS CORP.

MATERIAL SUBSTITUTION DATA SHEET

TE: _____ M.S. NUMBER

a representative sample provided? YES ☐ NO ☐

LLING INFORMATION
ompany Name _____
Address _____
ity _____ State _____ Zip _____
ontact _____ Phone _____

PICK-UP LOCATION
Company Name _____
Address _____
City _____ State _____ Zip _____
Contact _____ Phone _____

MANIFEST INFORMATION
ompany Name _____
ddress _____
City _____ State _____ Zip _____
Contact _____ Phone _____

GENERATOR INFORMATION
USEPA I.D. NO. _____
Technical Contact _____ Phone _____
Emergency Contact _____ Phone _____
Business Contact _____ Phone _____

eneral Waste Description _____

PA Hazardous Waste Code No (s)

Reason for Classification _____

Type of Process Generating Waste _____

uantity Generated (Per Month) _____ Frequency of Removal _____

COMPOSITION

HEMICAL NAME	CHEMICAL FORMULA		RQ	DOT HAZARD CLASS

ETAL ANALYSIS

TOTAL DIGESTED METALS (Incineration Only) mg/l

ilver _____
Arsenic _____
ryllium _____
dmium _____
Chromium _____
Copper _____
rcury _____
ckle _____
Lead _____
timony _____
knium _____
Thallium _____
Zinc _____

EP METALS mg/kg Total

Arsenic _____
Barium _____
Cadmium _____
Chromium _____
Lead _____
Mercury _____
Silver _____

Water Reactive	Yes ☐	No ☐
Explosive	Yes ☐	No ☐
Pyrophoric	Yes ☐	No ☐
Shock Sensitive	Yes ☐	No ☐

PHYSICAL PROPERTIES

PHYSICAL STATE @ 25°C (68°F)

Powder:	Yes ☐	No ☐
Solid:	Yes ☐	No ☐
Liquid:	Yes ☐	No ☐
Slurry:	Yes ☐	No ☐
Sludge:	Yes ☐	No ☐
Paste:	Yes ☐	No ☐
Multiphase:	Yes ☐	No ☐
Free Oil:	Yes ☐	No ☐

Floating: _____

PCB _____
% Oil Grease _____
PH _____
Total Petro Hydrocarbon _____

Flash Point _____
Specific Gravity _____
Bulk Density _____
Mod 602 _____

GENERATOR SIGNATURE: DATE

ALOGENS

lorine _____ Flouride _____ Bromine _____ Iodine _____

V. Material Substitution Receiving Procedure

Once the contaminated materials are approved for receipt by Rinker, notification is given to the generator and inbound scheduling is developed.

As part of the delivery procedure each load is accompanied by a Material Substitution Transportation and Receiving Manifest. (See Exhibit #9) or an equivalent. This Manifest is executed by all parties (generator, transporter, facility), and copies are distributed accordingly for record keeping.

In addition to the manifest a weight ticket is created for each load to document the actual amount of materials received. This weight ticket is made part of the permanent record of material receipt.

A daily receiving report is produced at the end of each business day to account for all Material Substitution receiving activity and recorded storage areas. (See Exhibit #12).

EXHIBIT #3

RINKER MATERIALS CORP.

MATERIALS SUBSTITUTION
Transportation & Receiving Manifest

DOCUMENT NO. _____

GENERATOR			TRANSPORTER			RECEIVING FACILITY		
COMPANY NAME			COMPANY NAME			COMPANY NAME		
ADDRESS			ADDRESS			ADDRESS		
CITY	ST.	ZIP CODE	CITY	ST.	ZIP CODE	CITY	ST.	ZIP CODE
TELEPHONE			TELEPHONE			TELEPHONE		
CONTACT:			CONTACT:			CONTACT:		
P.O. NO.:			I.D. NO.:			I.D. NO.:		
			M.S. NO.:					

INFORMATION					REMARKS
MATERIAL DESCRIPTION AND DOT SHIPPING NAME	CLASS	DOT ID UN# NA#	QUANT-VOLUME	CONTAIN-ER	

GENERATOR

This is to certify that the above named material is properly classified, described, packaged, marked and labeled and are in proper condition for transporting according to the applicable regulations of the U.S. Department of Transportation, Environmental Protection Agency and contains no toxic or hazardous substances that would cause only waste to be classified as a characteristic or listed hazardous waste.

AUTHORIZED SIGNATURE (press hard - 5 copies)

TITLE | DATE OF SHIPMENT

TRANSPORTER

This is to certify the acceptance of the above material in the amounts and descriptions given and in proper condition for transport to be delivered to the treatment facility.

AUTHORIZED SIGNATURE (press hard - 5 copies)

TITLE | DATE OF SHIPMENT

TREATMENT FACILITY

This is to certify the acceptance of the above named material in the amounts and descriptions given from the named transporter for treatment, storage disposal or recycling.

AUTHORIZED SIGNATURE (press hard - 5 copies)

TITLE | DATE OF SHIPMENT

DISPATCH INFO:

DRIVER: Sched. Arrive

TRUCK: Sched. Arrive

GROSS TARE

NET

SPECIAL INST.

BILLING:

COMPANY NAME

ADDRESS

CITY | ST | ZIP CODE

TELEPHONE

DISCREPANCY INFO: -

EMERGENCY AND SPILL ASSISTANCE Call:

WHITE - Generator (Last) GREEN - Receiving PINK - Generator (First) GOLDENROD - Transporter's Copy YELLOW - Equipment

Each transport or hauling vehicle is escorted to the assigned storage are, off loaded, and returned to the scalehouse where all paper work (manifests, weight tickets, etc) are finalized and distributed to all parties.

However, prior to the material being off loaded at the particular assigned storage area (See Exhibit #10) samples are obtained and material is segregated until Quality Control confirms that the material is as previously approved.

The following analysis is performed and recorded.

1. Waste Oil - BTU's,
   % Water
   Dexsil Kit PCB's
   Total Halogens
   Total Metals
   Arsenic
   Cadmium
   Chromium
   Lead

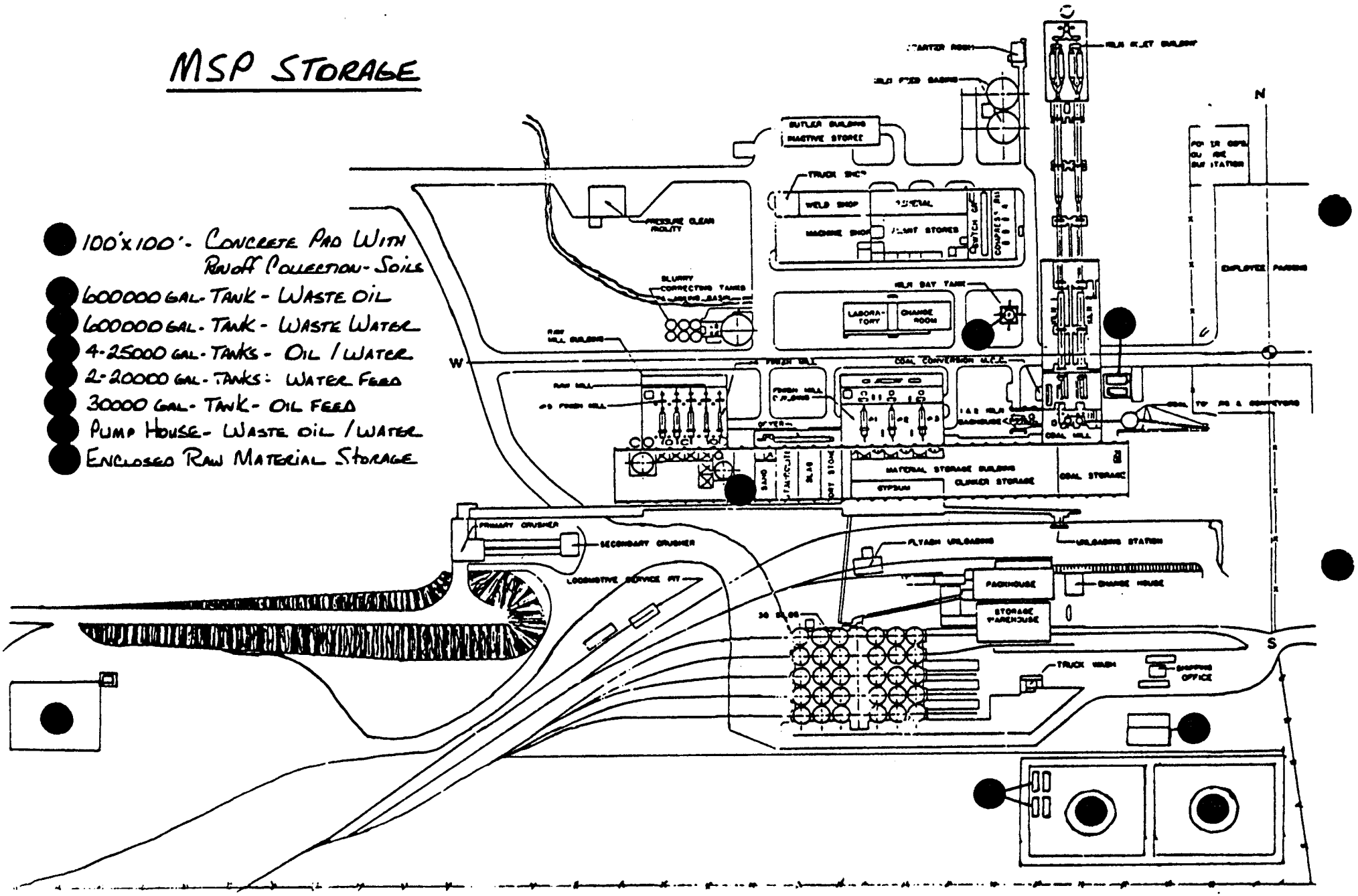
2. Waste Water - Total VOA
   Chloride

3. Soils/Solids - Total Halogens
   Total Metals
   Arsenic
   Cadmium
   Chromium
   Lead

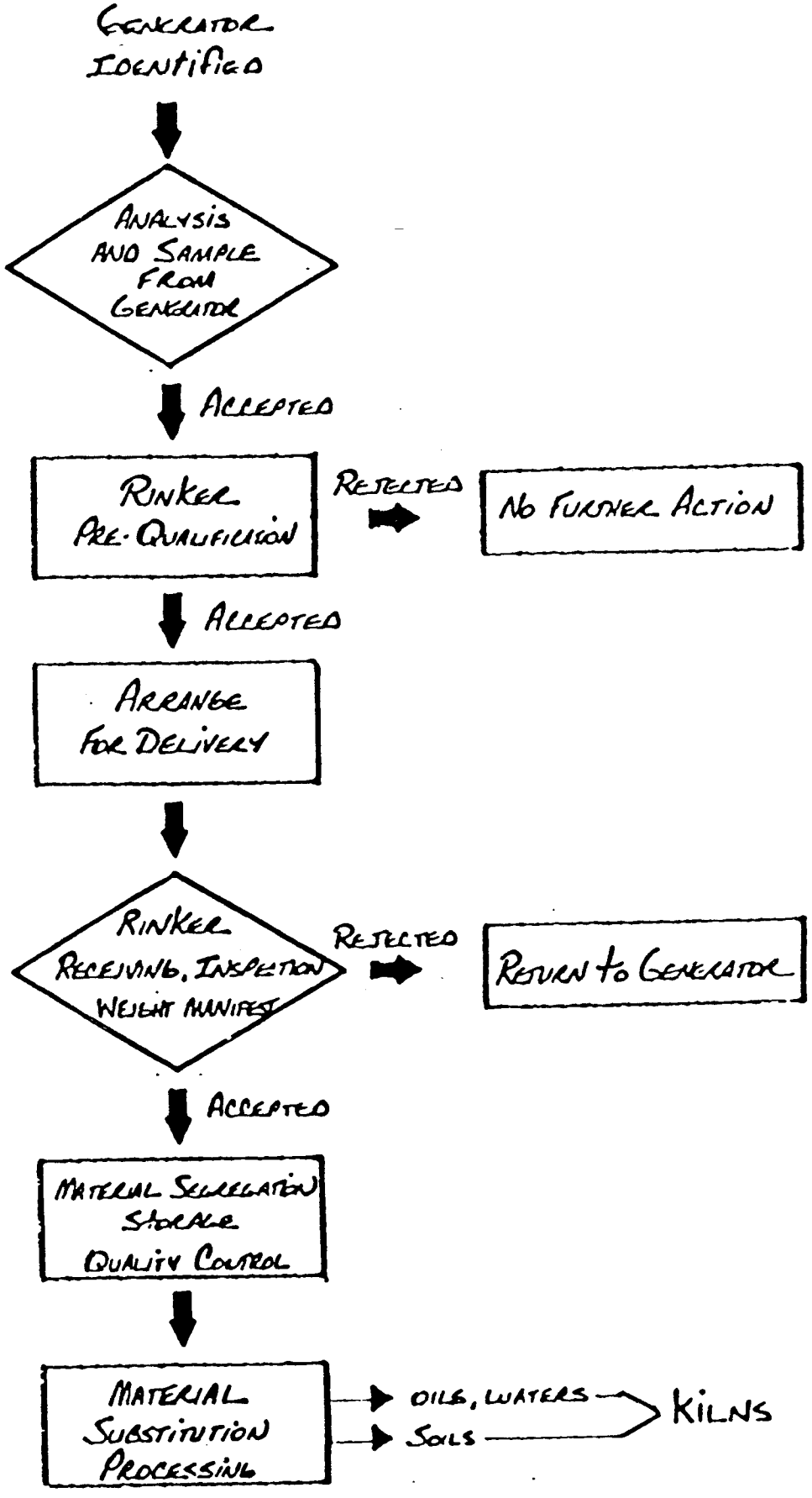
Once Quality Control confirms the material is specification for permitted use criteria, the material(s) are released for Materials Substitution Processing (See Exhibit #11)

MSP STORAGE

- 100'x100'- Concrete Pad With Runoff Collection- Soils
- 600000 GAL- Tank - Waste Oil
- 600000 GAL- Tank - Waste Water
- 4-25000 GAL- Tanks - Oil / Water
- 2-20000 GAL- Tanks: Water Feed
- 30000 GAL- Tank- Oil Feed
- Pump House- Waste Oil / Water
- Enclosed Raw Material Storage



QUALITY CONTROL



MATERIAL SUBSTITUTION PROGRAM

DAILY RECEIVING REPORT

Generator	M.S. No.	Material	Transporter	Quantity Tons/Gallons	Destination (Storage)	Comments

VI. Material Substitution Storage and Receiving Facilities

Each type of material that is received into the Material Substitution Program is off-loaded according to the particular characteristics of the material (See Exhibit #10).

Soils: Soils are off-loaded onto our covered 100 foot x 100 foot seamless concrete pad. (Site A) (Roof construction to be complete by 9/90) The pad is constructed to contain and direct all free liquids to a concrete sump. All sump liquids are collected and pumped into an adjacent secondarily contained tank. These liquids are ultimately transfered to Waste Water feed tankage for kiln introduction.

Waste Oils: All waste oils are off-loaded via the pumphouse located at our major tank farm (Storage Site G). These waste oil materials are directed either straight to oil storage (600,000 gallon tank) (Storage Site B) or to one or more of our four (4) separation tanks located at the major tank farm (Storage Site D).

Upon the accumulation of sufficient volume, waste oil is transfered to the fuel feed day tank (Storage Site F) for consumption in the kilns.

Waste Water: Contaminated waters are off-loaded into the major tank farm or into two, 20,000 gallon water feed tanks located adjacent to the kilns. (Storage Site E).
Waters that enter the tank farm are transfered to one or more of the 4 - 25,000 gallon tanks (Storage Site D) or to the 600,000 gallon storage tanks (Storage Site C).

Once sufficient volume of water is accumulated in the tank farm, transfer is made to the water feed tanks (Storage Site E).

METROPOLITAN DADE COUNTY
ENVIRONMENTAL RESOURCES MANAGEMENT

NAME OF COMPANY: Rinker Materials Corporation

RAW MATERIALS STORAGE (Attach Material Safety Data Sheets)

Name	Quantity Container Size	Type (acids, solvents, etc.)
Storage "A"	1-100'x100'x12" Concrete Pad	Contaminated Soils
Storage "B"	1 - 600,000 Gallon AG- Tank	Waste Oils/Waste Water
Storage "C"	1 - 600,000 Gallon AG- Tank	Waste Waters/Waste Oil
Storage "D" - Tank #1	1 - 25,000 Gallon AG- Tank	Waste Water/Waste Oil
Storage "D" - Tank #2	1- 25,000 Gallon AG- Tank	Waste Water/Waste Oil
Storage "D" - Tank #3	1 - 25,000 Gallon AG - Tank	Waste Water/Waste Oil
Storage "D" - Tank #4	1 - 25,000 Gallon AG - Tank	Waste Water/Waste Oil
Storage "E" -Tank #1	1 - 20,000 Gallon AG - Tank	Oily Water
Storage "E" - Tank #2	1 - 20,000 Gallon AG - Tank	Oily Water
Storage "F"	1 - 30,000 Gallon AG Tank	Waste Oils
Storage "H" - (Building) 900'x100'	1 - 100,000 Tons	Sand, Limerock, Slag, Coal Gypsum, Clinker, Contaminated Soils
(SEE EXHIBIT #10)		

VIII. Ground Water Monitoring Plan

A. Pollutant Storage (Contaminated Water and Waste Oils

All Pollutant Storage Tank facilities comply with Chapter 17-61 FAC "Stationary Tanks" - 17-61.040 (2) (c). However, improvements in the major tank farm area are being contemplated for 1992. These improvements will consist of relining the dyked area with synthetic liner to enhance containment capabilities and stairway access for better inspection and maintenance of contained areas (Exhibit 14).

B. Soils Storage

The soils storage area (100' x 100') is constructed to contain all run-off into a collection sump and secondarily contained tankage.

For monitoring purpose,four (4) monitoring wells will be installed surrounding of the soils storage area and will have required testing performed on a quarterly basis by an approved laboratory (Exhibit 14).

C. Off Loading Areas

Each off-loading containment area (pumphouse, fuel day tank, water feed tank) will have a (1) montioring well installed adjacent to each off-loading area and have the required testing preformed on a quarterly basis by an approved laboratory.

D. Steam Cleaning Area

Observation wells will be located in the floor of the steam cleaning area to inspect collection area between top and bottom floor. Sampling will also be preformed on a quarterly basis by an approved laboratory.

All ground water monitoring shall adhere to FDER - Rule 17-775 FAC (Proposed).

ATTACHMENT 5

Preparedness/Prevention Plan

Attachment 5: Preparedness/Prevention Plan

This plan describes:

a) An internal communications or alarm system capable of giving immediate emergency instruction to facility personnel

Telephones, air whistle, two-way radios

b) A communication device capable of summoning assistance from local emergency response groups (fire, law enforcement, emergency response)

Telephones

c) Fire and spill control equipment: inventories and maps (including fire extinguishers appropriate in type, size and location; adequate spill control equipment; decontamination equipment)

Spill Control

In the event of a tank rupture, and failure of the secondary containment structure, designated plant personnel will:

- Repair the secondary containment structure
- Erect downstream flow barriers as needed

Temporary repairs and barriers would consist of abundant materials on the plant site such as limestone, cement, stack dust, and etc. Any of these materials will act both as a barrier and a sorbent. All of these materials, as well as the equipment to move them rapidly, are available on-site.

These basic procedures will be used to contain any spill on-site.

See also Section X. Fire Control

d) Water at adequate volume and pressure for all fire control equipment

Dedicated fire control well, production wells, and slurry water in tanks

e) Testing and maintenance schedules for all emergency equipment

See Section X. Fire Control

f) Access to a communication or alarm device, either directly or by visual or auditory (voice) contact with another employee, wherever used oil is being handled

g) Immediate access to a device capable of summoning external emergency assistance in the event only one employee is on the premises

Telephone, air whistle, two-way radios

h) Proper aisle space for containers and equipment

Not applicable

i) Arrangements with local authorities

E-911

j) Corrective actions taken in response to spills/leaks

See Item c), above

X. FIRE CONTROL

X. Fire Control

Fire control is provided by multiply hydrants and fire station located in statregic areas throughout the facility. (Exhibit 16)

Employees listed below serve as fire fighting crew to answer fire alarm and extinguish fires as they are reported.

Fire Chief	Process Foreman on Shifts
Fire Truck Operator	Burner Helper on Shifts
Start Fire Pump	Mill Area Operator on Shifts

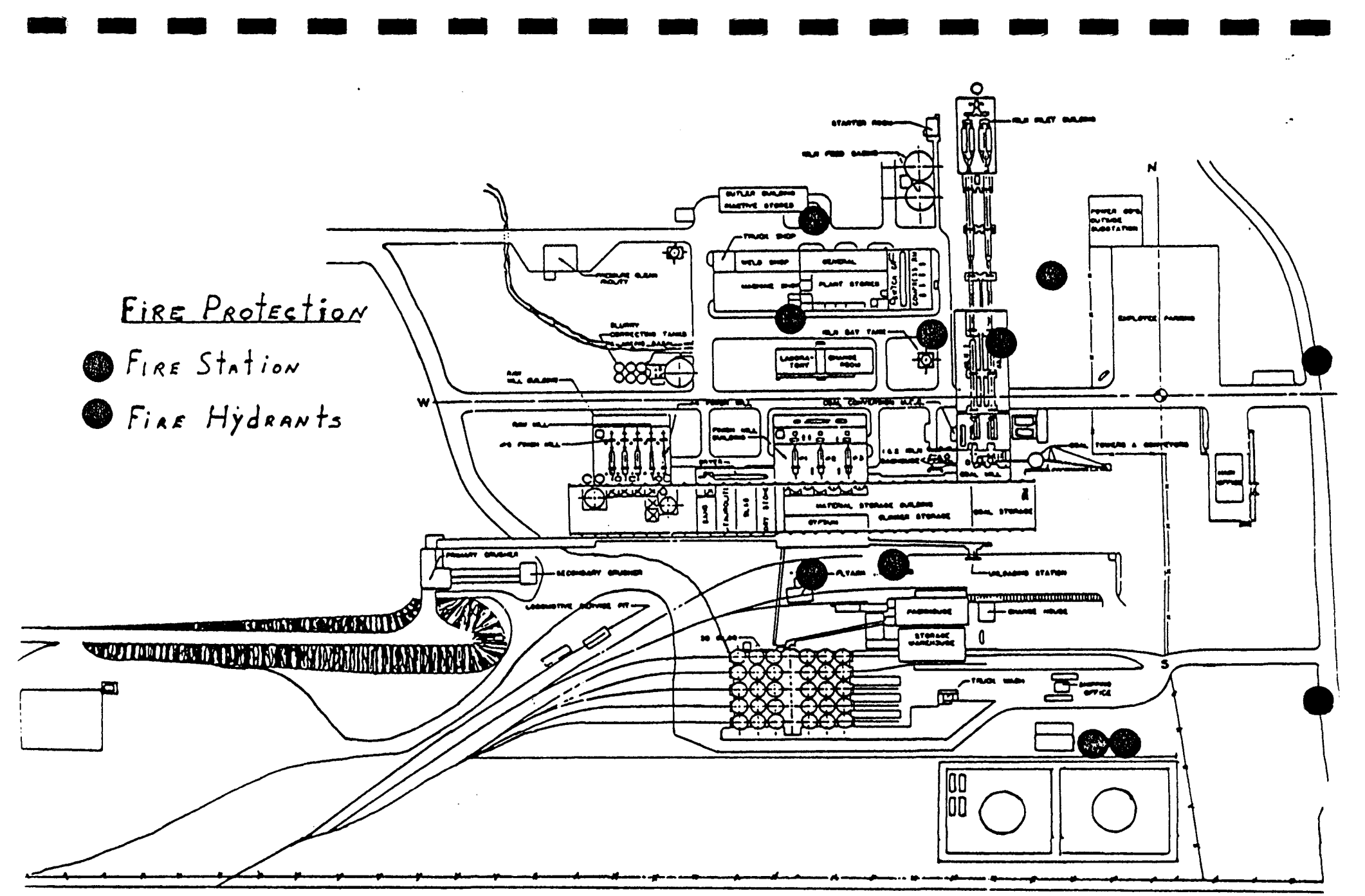
These men are required to fight fires and answer fire alarms.

When a fire is discovered by anyone, he must call the Burner on phone (Station #21) and report the location of the fire. The Burner will then sound alarm. (Fire alarm will be intermittent blasts on air whistle). When alarm is sounded, employees on fire fighting crew will call the Burner to find out the fire location and proceed to that area. Mill Area Operator will proceed to the fire pump house, start pump, and set water pressure on guage at 100#, then call the Burner for fire location and proceed to the fire. Fire Chief will call Metro Fire Departmant and other employees.

On "A" Shift, when the fire alarm is sounded, the other employees as listed will respond to the fire alarm to help.

"A" Shift Foreman.

Other employees on plant site at the time of the fire will be instructed to fight fire as directed by Process Foreman on duty at that time.


FIRE PROTECTION
FIRE STATION
FIRE HYDRANTS
N
W
S

EMERGENCY PREPAREDNESS

1. In the event of a fire, flood or other emergency the following people should be contacted:

	OFFICE	HOME
Mike Gordon, Operations Mgr.	305-229-2962	954-341-7731
Sergio Pernas, Production Mgr.	305-229-2922	305-553-0550
Dave Marple, Mgr. RES	305-229-2940	954-344-7847
Michael Vardeman ,Environmental	305-229-2955	954-972-1634
Keith Troutman, Personnel/Safety	305-229-2954	305-255-6870

2. Attached is the lists of fire safety equipment in the plant. All personnel must attend a mandatory fire training class held yearly in October for instruction in combating different fire types.

FIRE FIGHTING PLAN

3 Employees listed below serve as fire fighting crew to answer fire alarm and extinguish fires as they are reported

Fire Chief	Process Foreman on Shifts
Fire Truck operator	Burner Helper on Shifts
Start Fire Pump	Mill Area Operator on Shifts

These men are required to fight fires and answer fire alarms.

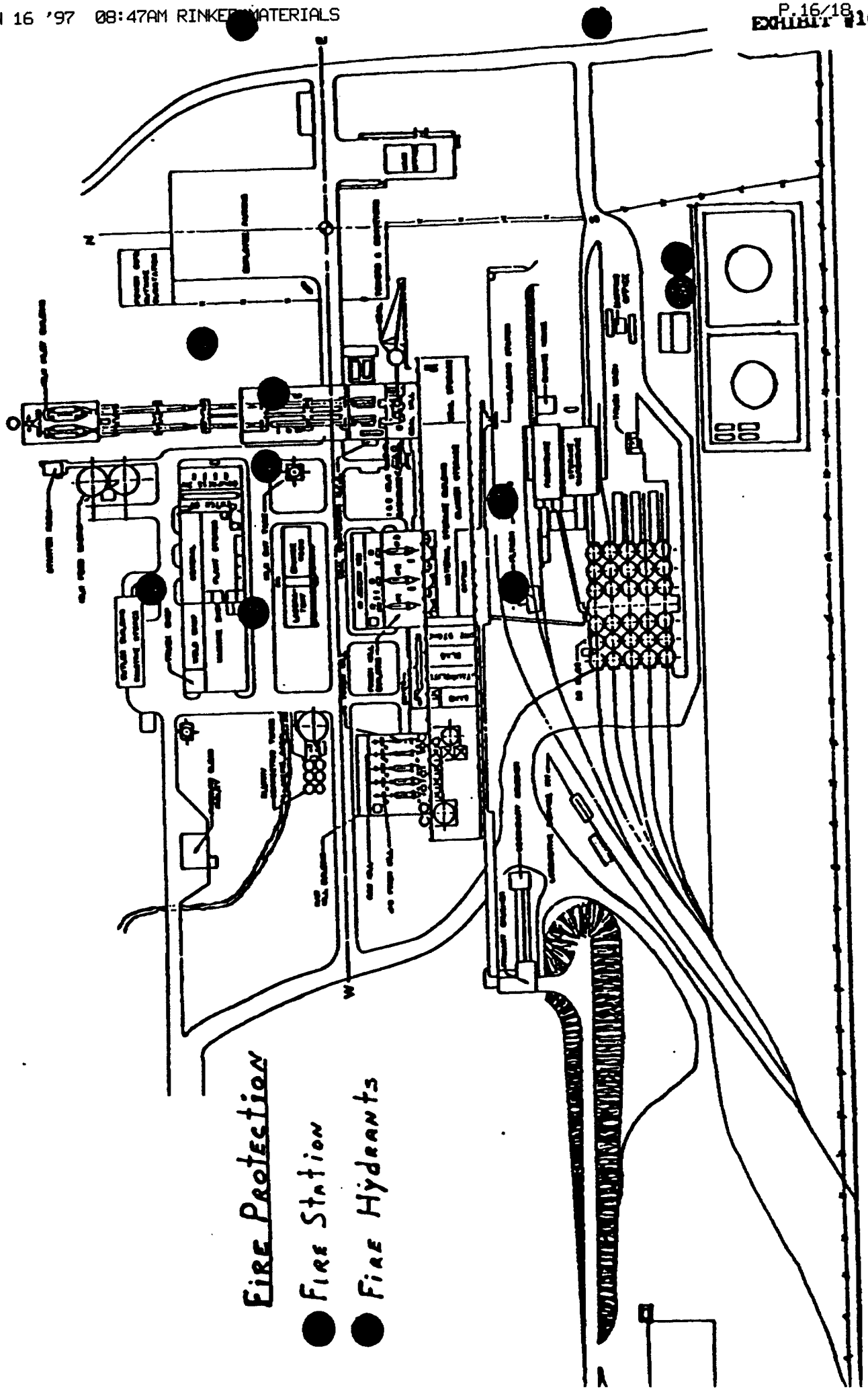
When a fire is discovered by anyone, he must call the Burner on phone (ext 3981) or by radio and report the location of the fire. The Burner will then sound alarm. (Fire alarm will be intermittent blasts on the air whistle). When alarm is sounded, employees on fire fighting crew will call the Burner to find out the fire location and proceed to that area. Mill Area

Operator will proceed to the fire pump house, start pump, and set water pressure on gauge at 100#, then call the Burner for fire location and proceed to the fire. Fire Chief will call Metro Fire Department (Dial 911) and other employees as required.

On "A" Shift, when the fire alarm is sounded, the other employees as listed will respond to the fire alarm to help. Other employees on plant site at the time of the fire will be instructed to fight fire as directed by Process Foreman on duty at that time.

In the event of a fire is the oil tank area other employees will concurrently work to contain any oily waste as needed. In the event of a tire fire in the trailers, adjacent trailers will be moved by yard horse to a safe location. The front end loader will be used to contain the spread of oily waste. After cooled the oily waste and sand should be cleaned up and moved to the Materials Substitution building for appropriate testing and processing.

EXHIBIT #16



SECURITY

The security of Cement mill facilities is the responsibility of all personnel. All of our jobs rest with this plant producing cement. Basic security procedures are detailed below. Your help and cooperation are greatly appreciated.

General

Any waste or other materials that any employees wish to take home must have written approval of the VP of Cement Operations or the Operations Manager

Any plant equipment that any individual wishes to take home for his own use must have the written approval of the VP of Cement Operations or the Operations Manager. Use of plant equipment at home is not encouraged and must not interfere with plant operations.

Any individual that wishes to use plant equipment on the premises for his own personal use must have the approval of the VP of Cement Operations or the Operations Manager. Again this use is not encouraged and must not interfere with plant operations.

Personal/ Vendor Vehicles within the Mill

A.) The only vehicles allowed within the plant area are those furnished by CSR Rinker.

B.) Vehicles not allowed in the mill area include

1.) Personal Vehicles

2.) Vendors- unless they are delivering parts

3.) Outside Contractors- Except their maintenance trucks

* IT IS THE RESPONSIBILITY OF THE APPROPRIATE DEPARTMENT MANAGER OR SUPERVISOR TO INSURE THAT THERE IS STRICT ADHERENCE TO THIS POLICY.

Vehicles not allowed in the plant are to be parked in the parking lot located adjacent to the plant main office

C.) Additionally, parking is not allowed in front of the Laboratory/Process area.

VENDOR/OUTSIDE CONTRACTOR CHECK IN

A.) All Vendors/Outside Contractors are to sign in and have entrance approval at the front office prior to entering the Mill

B.) No Vendor or Outside Contractor vehicles are to be within the plant except as noted in B2-3 above.

Gate Security

The automated gate at the southeast plant entrance should be open only during the following times

	Open	Close
Weekdays	4:45AM	7:30PM
Saturday	6:45AM	4:00PM
Sunday	Closed all Day	

Malfunctions of this gate should be reported to the Operations Manager and Dean Goodson
On weekends an outside security guard should be obtained as necessary to assure for the security of all plant operations.

Additionally, the gate at the kiln will be closed by the Purchasing Agent when leaving for the night. Each employee that uses this gate when closed will assure it is reclosed each time it is used. This gate will remain open weekday "A" Shift and be closed the remainder of "B" Shift and all of "C" Shift. It will be closed on all shifts on the weekends and holidays.

On weekdays the "B" Shift Packhouse is to lock the gate at the Packhouse after the last truck has been loaded This gate should stay closed the remainder of "B" Shift and all of "C" Shift and all shifts weekends and holidays (except as needed to be open for loadout).

Plant Security

On weekdays the "B" and "C" Shift Process Foreman is to make a security round of the Quarry, Packhouse and Silos, Front Office, Plant , Environmental Services, and Batch Plant each day.

On weekends and holidays each shift Process Foreman is to make a security round of the Quarry, Packhouse and Silos, Front Office, Plant, Environmental Services, and Batch Plant each day.

Environmental Services- Tank Farm

ALL CRITICAL TANK FARM VALVES PLUS THE KILN DAY TANK VALVE WILL BE

CLOSED AND LOCKED DOW AT THE END OF EACH OPERATIONAL DAY.

Access to oil from the west tank during off hours (approximately 6 PM to 7AM daily, weekends and Holidays closed all day) will have to be by unlocking appropriate valves. After transfers all tank valves must be resecured with valves closed and locked . The date and time of transfer should be noted on the security log.

Security checks should include observations as to all appropriate valves closed and locked and necessary power turned off . See Check Sheet/ Diagram if needed.

Any breech in this security should be corrected and the appropriate personnel notified.

Additional

Keys are not to be left in "ANY EQUIPMENT"

No company equipment is to be left outside the plant fence overnight.

EQUIPMENT INQUIRY

EQUIP. ID : 015-GENERAL LINE : MACH. NO. : OUT OF SER:
DESCRIPTION :TRACK AND YARD COND : GOOD
MAKE : MODEL :
DATE IN SER :00/00/00 LAST MAJOR ACT :00/00/00 COST : 0.00

PROCEDURES (CURRENT OPERATING HOUR METER IS 0)

SEQ. :002 CODE : 0043 DESC: PERIODIC INSPECTION

FREQUENCY (DAYS) : 28 (HOURS) : 0 REQUIRED DOWN TIME : .00
LAST PERF (DATE) : 06/07/93 (HOURS) : 0 EMPLOYEE: JB317
LAST REM. ACTION : 03 (DATE) : 06/07/93 (HOURS) : 0
SKILL CODE REQUIRED : SER-I EST. HOURS REQ. : 4.00
NEXT SCHEDULED (DATE) : 07/05/93 (HOURS)

PART NUMBER	QTY	DESCRIPTION

NO PARTS LISTED

PRESS ENTER FOR NEXT PROCEDURE OR PRESS <ESC> FOR COMPONENTS

NOTE FILE NUMBER: 0356 FOR PROCEDURE: 002

FIRE HOUSE AT WEST CAR UNLOADING STATION
FIRE HOUSE AT OIL STORAGE TANKS
CHECK THE FOLLOWING:
HOSE CART
HOSE -- TEST AT A PRESSURE OF 125 POUNDS
AXE AND HYDRANT WRENCH
HOSE WRENCH
HOSE NOZZLE (FOGG)
HOSE NOZZLE (PRESSURE)

PLANT FENCES AND GATES
CHECK FOR PROPER OPERATION
CHECK LOCKS AND HINGES
CHECK THE GENERAL CONDITION OF THE FENCE
CHECK THE "NO TRESPASSING" SIGNS

PRESS ENTER FOR PROCEDURES OR PRESS <ESC> TO EXIT

7/9/93

07/07/93 RINKER MATERIALS CORP. EPM012M 07
EQUIPMENT INQUIRY

EQUIP. ID : 015-GENERAL LINE : MACH. NO. : OUT OF SER:
DESCRIPTION :TRACK AND YARD COND : GOOD
MAKE : MODEL :
DATE IN SER :00/00/00 LAST MAJOR ACT :00/00/00 COST : 0.00

PROCEDURES (CURRENT OPERATING HOUR METER IS 0)
EQ. :005 CODE : 0043 DESC: PERIODIC INSPECTION

FREQUENCY (DAYS) : 182 (HOURS) : 0 REQUIRED DOWN TIME : .00
LAST PERF (DATE) : 03/09/93 (HOURS) : 0 EMPLOYEE: MV229
LAST REM. ACTION : 03 (DATE) : 03/09/93 (HOURS) : 0
SKILL CODE REQUIRED : SER-I EST. HOURS REQ. : 8.00
NEXT SCHEDULED (DATE) : 09/07/93 (HOURS)

PART NUMBER QTY DESCRIPTION

NO PARTS LISTED

PRESS ENTER FOR NEXT PROCEDURE OR PRESS <ESC> FOR COMPONENTS

NOTE FILE NUMBER: 0367 FOR PROCEDURE: 005

PLANT MAIN WATER FIRE LINES
FLUSH OUT ALL FIRE HYDRANTS
REMOVE ALL CAPS
CLEAN & LUBE THREADS WITH NEVER-SEEZ
CHECK FOR LEAKS

AREA AROUND OIL STORAGE TANKS
CHECK FOR WEEDS, TREES, AND OTHER FLAMMABLE MATERIALS.

PRESS ENTER FOR PROCEDURES OR PRESS <ESC> TO EXIT

```
07/93                    BUNKER MATERIALS CORP.                    EPM012M 07
                          EQUIPMENT INQUIRY
QUIP.. ID    : 015-GENERAL          LINE :        MACH. NO. :     OUT OF SER:
SCRIPTION :TRACK AND YARD                                       COND : GOOD
E            :                          MODEL :
TE IN SER :00/00/00  LAST MAJOR ACT :00/00/00  COST :        0.00
-------------------------------------------------------------------------------
      .PROCEDURES  (CURRENT OPERATING HOUR METER IS          0 )
. :006  CODE : 0043  DESC: PERIODIC INSPECTION

QUENCY (DAYS) :   28       (HOURS) :         0  REQUIRED DOWN TIME :       .00
T PERF (DATE) : 06/07/93   (HOURS) :           0   EMPLOYEE: JB317
ST REM. ACTION : 03        (DATE) : 06/07/93   (HOURS) :          0
LL CODE REQUIRED :   SER-I          EST. HOURS REQ. :     8.00
T SCHEDULED (DATE) : 07/05/93  (HOURS)

RT NUMBER          QTY     DESCRIPTION
-------------------------------------------------------------------------------
                           NO PARTS LISTED



      PRESS ENTER FOR NEXT PROCEDURE OR   PRESS <ESC> FOR COMPONENTS


TE FILE NUMBER:   0368        FOR PROCEDURE:     006

     PLANT MAIN WATER FIRE LINES
          FLUSH OUT ALL FIRE HYDRANTS
          REMOVE ALL CAPS
          CLEAN & LUBE THREADS WITH NEVER-SEEZ
          CHECK FOR LEAKS
     FIRE HYDRANT LOCATIONS:
          1.- BY PAINT SHOP
          2.- ON SOUTH SIDE OF MACHINE SHOP
          3.- ON NORTH SIDE OF DAY TANK FOR BUNKER "C" OIL
          4.- ON WEST SIDE OF CAR SHAKER
          5.- ON EAST SIDE OF OIL PUMP HOUSE
     AREA AROUND STORAGE TANK
          CHECK FOR WEEDS, TREES, AND OTHER FLAMMABLE MATERIALS.
     CHECK ALL WATER VALVES FOR RAW WATER TO MAKE SURE THAT THEY
          WORK AND THAT THEY ARE IN THE OPEN POSITION
          2 AT NORTH RAW WATER PUMP      1 AT FIRE PUMP
          1 WEST OF RAW MILL BUILDING    3 WEST OF KILN BUILDING
          1 WEST OF R.M. IN ROADWAY      1 WEST OF F.M. IN ROAD WAY
          1 EAST OF STORAGE BUILDING GOING TO MAIN OFFICE
          1 EAST OF STORAGE BUILDING GOING TO PACKHOUSE

            PRESS ENTER FOR PROCEDURES OR PRESS <ESC> TO EXIT
```

7/9/93

07/07/93 RINKER MATERIALS CORP. EPAU12M 07

EQUIPMENT INQUIRY

EQUIP. ID : 015-GENERAL LINE : MACH. NO. : OUT OF SER:
DESCRIPTION :TRACK AND YARD COND : GOOD
MAKE : MODEL :
DATE IN SER :00/00/00 LAST MAJOR ACT :00/00/00 COST : 0.00

PROCEDURES (CURRENT OPERATING HOUR METER IS 0)
EQ. :010 CODE : 0043 DESC: PERIODIC INSPECTION

FREQUENCY (DAYS) : 28 (HOURS) : 0 REQUIRED DOWN TIME : .00
LAST PERF (DATE) : 06/11/93 (HOURS) : 0 EMPLOYEE: 20005
LAST REM. ACTION : 03 (DATE) : 06/11/93 (HOURS) : 0
SKILL CODE REQUIRED : PMAN EST. HOURS REQ. : 2.00
NEXT SCHEDULED (DATE) : 07/09/93 (HOURS)

PART NUMBER	QTY	DESCRIPTION

NO PARTS LISTED

PRESS ENTER FOR NEXT PROCEDURE OR PRESS <ESC> FOR COMPONENTS

NOTE FILE NUMBER: 0372 FOR PROCEDURE: 010

SOUND FIRE ALARM --- HOLD FIRE DRILL
RECORD INFORMATION AS TO EFFICIENCY OF DRILL
**** NOTE **** NOTIFY JIM JENKINS BEFORE DRILL !!!!
"A" SHIFT _____
_____
_____

"B" SHIFT _____
_____
_____

"C" SHIFT _____
_____
_____

RELIEF SHIFT _____
_____
_____

PRESS ENTER FOR PROCEDURES OR PRESS <ESC> TO EXIT

RINKER MATERIALS CORP. EPM012M 07
EQUIPMENT INQUIRY

TO : 015-GENERAL LINE : MACH. NO. : OUT OF SER:
TION :TRACK AND YARD COND : GOOD
: MODEL :
SER :00/00/00 LAST MAJOR ACT :00/00/00 COST : 0.00

PROCEDURES (CURRENT OPERATING HOUR METER IS 0)
CODE : 0177 DESC: FIRE EXTINGUISHERS PERIODIC INSPECTION

CY (DAYS) : 28 (HOURS) : 0 REQUIRED DOWN TIME : .00
(DATE) : 05/26/93 (HOURS) : 0 EMPLOYEE: JB317
M. ACTION : 03 (DATE) : 05/26/93 (HOURS) : 0
ODE REQUIRED : SER-I EST. HOURS REQ. : 8.00
EDULED (DATE) : 06/23/93 (HOURS)

MBER	QTY	DESCRIPTION
		NO PARTS LISTED

PRESS ENTER FOR NEXT PROCEDURE OR PRESS <ESC> FOR COMPONENTS

LE NUMBER: 0374 FOR PROCEDURE: 013

STATION	LOCATION	MODEL	SERIAL NO.
11-DC-1	OIL PUMPHOUSE	20DC	B33845
14-CO-1	LABORATORY	10CD	A65643
15-DC-1	PLANT MANAGER'S CAR	5DC	B511668
	LABORATORY		603361
15-DC-4	LOCOMOTIVE	20DC	602869
15-DC-6	DUST TRUCK	30ABC	AR811034
15-DC-7	HYSTER 50	5DC	BC-33061
15-DC-10	FIRE PUMP	20AKR	NM-20-3671
19-CO-1	MAIN CHANGEHOUSE	10CD	10-8053
19-CO-2	MAIN OFFICE AC	15CD	15-2937
19-PW-3	MAIN OFFICE	WS600	E-783303
19-CO-6	BUTLER BLDG.	15CD	15-2986
19-CO-7	BUTLER BLDG.	15CD	15-3046
19-PW-8	BRICK STORAGE	WS600	E-797070
19-CO-12	PAINT SHOP	20AKR	NM-20-3064
19-DC-11	FOG MACHINE	20DC	B588160
15ABC	ROTARY MOWER	10ABC	N543171

PRESS ENTER FOR PROCEDURES OR PRESS <ESC> TO EXIT

LE NUMBER: 0375 FOR PROCEDURE: 014

STATION	LOCATION	MODEL	STATION
	FIRECART (5 EXT.)	20DC	A1933779
		20DC	E473522
		20ABC	138595
		20ABC	138788
	PROPANE TANK	ABC	

7/9/93

STATION	LOCATION	MODEL	SERIAL NO.
2-CO-2	JAW & SWITCHGEAR	15CD	NK-10-19916
2-CO-3	IMPACTOR	20DC	B-588177
2-CO-1	CONTROL CONSOLE	15CD	AL-933300

STATION	LOCATION	MODEL	SERIAL NO.
5-DC-1	WEST CRANE	20DC	15-2900
5-DC-2	WEST CRANE	20DC	B-599167
5-DC-3	EAST CRANE	20DC	B-588162
5-DC-4	EAST CRANE	20DC	B-588164
7-CO-1	DRYER SWITCHGEAR	15CD	15-2358
7-DC-2	DRYER BURNER	20DC	A-880905
8-CO-1	RAW CONTROL FLOOR	15CD	15-2640
8-CO-2	RAW MILL MOTORS	20AKR	10-7402
8-CO-3	RAW MILL MOTORS	20AKR	NM20-2882
8-DC-1	PASS ELEV CORR TANKS	20DC	653277
10-CO-1	FINISH CONTROL FLOOR	15CD	B-588177
10-CO-2	FINISH MILL MOTORS	20AKR	NM20-2823
10-CO-3	FINISH MILL MOTORS	20AKR	NM20-3680
	RAW MILL GROUND FLOOR	CO2	
	FINISH MILL GROUND FLOOR	CO2	

STATION	LOCATION	MODEL	SERIAL NO.
9-CO-1	KILN INLET 4TH FLOOR	15CD	15-2868
9-CO-2	KILN INLET GROUND FLOOR	15CD	AL-933781
9-CO-3	END OF DRAG	15CD	15-3005
9-CO-4	BURNER FLOOR	20AKR	A-881255
9-DC-5	BURNER FLOOR	30DC	A-881378
9-DC-1	KILN FREIGHT ELEVATOR	20DC	653141
9-DC-1	KILN FEED END PASS ELEV	20DC	653281
9-CO-7	COOLERS	20AKR	15-2527
9-DC-8	KILN DRIVE	20DC	80116CX
9-DC-9	BOILER ROOM	20DC	15-2901
	KILN FEED TRANS. ROOM	ABC	
	KILN FEED PUMP ROOM	DRY CHEM	
	KILN FEED PASS ELEV	ABC-DC	653L81

STATION	LOCATION	MODEL	SERIAL NO.
12-CO-1	MAIN SWITCHGEAR ROOM	20AKR	NM20-3735
12-CO-2	MAIN SWITCHGEAR ROOM	20AKR	NM20-3625
18-CO-7	ELECTRIC SHOP	15CD	15-2348
18-CO-3	TRUCK SHOP	15CD	15-2829
15-DC-8	SWEEPER	10DC	B-33009
1-DC-8	OIL CART	10DC	AG-18519
18-DC-8	WELDING SHOP	60BC	121587
18-DC-9	MACHINE SHOP	60BC	828449
	MAINT. FOREMAN'S OFFICE	CO2	

STATION	LOCATION	MODEL	SERIAL NO.
11-DC-1	OIL PUMPHOUSE	20DC	B33845
14-CO-1	LABORATORY	10CD	A65643
15-DC-1	PLANT MANAGER'S CAR	5DC	B511668
	LABORATORY		603361
15-DC-4	LOCOMOTIVE	20DC	602869
15-DC-6	DUST TRUCK	30ABC	AR811034
15-DC-7	HYSTER 50	5DC	BC-33061
15-DC-10	FIRE PUMP	20AKR	NM-20-3671
19-CO-1	MAIN CHANGEHOUSE	10CD	10-8053
19-CO-2	MAIN OFFICE AC	15CD	15-2937
19-PW-3	MAIN OFFICE	WS600	E-783303
19-CO-6	BUTLER BLDG.	15CD	15-2986
19-CO-7	BUTLER BLDG.	15CD	15-3046
19-PW-8	BRICK STORAGE	WS600	E-797070
19-CO-12	PAINT SHOP	20AKR	NM-20-3064
19-DC-11	FOG MACHINE	20DC	B588160
15ABC	ROTARY MOWER	10ABC	N543171

STATION	LOCATION	MODEL	SERIAL NO.
16-CO-1	PACKHOUSE 2ND FLOOR	15CD	15-2928
16-PW-2	BAG STORAGE	94-24	E-565400
16-PW-3	BAG STORAGE	94-24	E-122276
16-CO-4	PACKHOUSE 1ST FLOOR	20AKR	NM20-3608
16-CO-5	PACKHOUSE 1ST FLOOR	20AKR	NP-20-314
16-CO-6	SILOS 2ND FLOOR	15CD	15-2412
16-DC-7	SILOS FK PUMP	20DC	B588165
16-DC-8	ELECTRIC LIFT TRUCK	10DC	B32998
16-CO-10	CHANGEHOUSE	15CD	15-2455
16-PW-11	CARDBOARD PALLET STOR.	WS600	E-783272
16-PW-12	CARDBOARD PALLET STOR.	94-24	E565360
16-CO-13	SHIPPING OFFICE	20AKR	NM-20-3267
16-DC-9	PALLETIZER BUILDING	20BC	A881355
16-DC-1	PACKHOUSE FREIGHT ELEV.	20DC	658452

STATION	LOCATION	MODEL	STATION
	FIRECART (5 EXT.)	20DC	A1933779
		20DC	E473522
		20ABC	138595
		20ABC	138788
	PROPANE TANK	ABC	
	OIL STORAGE ROOM	CO2	
	KILN #3 PIER	CO2 100 LBS.	
	COAL SILO (BOTTOM)	D.C. - 20 LBS.	
	#4 FM COMP. ROOM	D.C. - 20 LBS.	
	TOWER AT COAL SILO	ABC - 20 LBS.	
	TOP OF COAL SILO	ABC - 20 LBS.	
	KILN -- UNDER 3RD PIER		
	CHECK TANKS		

7/1/93

STATION	LOCATION	MODEL	SERIAL NO.
SPARE	ABC DRY CHEMICAL	10DC	BB796018
SPARE	ABC	10DC	AU180944
SPARE	DRY CHEMICAL	10DC	143631
SPARE	DRY CHEMICAL	10DC	B33031
SPARE	DRY CHEMICAL	10DC	B33046
SPARE	ABC DRY CHEMICAL	10DC	AR811034
SPARE	ABC DRY CHEMICAL	10DC	AR811104
SPARE	DRY CHEMICAL	5DC	695595
SPARE	DRY CHEMICAL	5DC	316327
SPARE	ABC	10ARC	AA181195
SPARE	DRY CHEMICAL	15DC	P549662
SPARE	DRY CHEMICAL	10DC	E559276
SPARE	ABC DRY CHEMICAL	20DC	AY155696
SPARE	WATER	WS600	E783303
SPARE	WATER	WS600	E12276
SPARE	DRY CHEMICAL	20DC	

ATTACHMENT 6

Contingency Plan

Attachment 6: Contingency Plan

The facility's Contingency Plan contains the following elements:

a) Specific actions/procedures to follow in response to fire, explosion, or sudden releases.

See Attachment 5, Section X. Fire Control
See Hurricane Safety Plan

b) A description of the emergency response arrangements required in the Preparedness and Prevention plan.

See Attachment 5

c) Names, addresses, phone numbers and qualifications of the primary emergency response coordinator (ERC) as well as designated subordinate ERCs.

d) Procedures used by the ERC to activate the emergency response plan (notify employees and appropriate authorities), assess the situation, and to commit resources to properly contain, manage and clean-up the situation.

See Pages: Responsible Individuals & Contact Officials

e) Descriptive inventory and location (map) of all emergency response equipment (fire extinguishing systems, spill control equipment, internal and external communications and alarm systems, and decontamination equipment)

f) Identify containers and/or tanks available to hold any released material.

g) Describe how equipment will be replaced/cleaned for future use.

See Attachment 5, Section X. Fire Control
See Hurricane Safety Plan

h) Facility personnel evacuation plan, describing signals and both primary and alternate routes.

i) Copies of this plan are maintained at the facility and submitted to local emergency response authorities identified in the preparedness and prevention plan.

j) The plan will be amended when needed (i.e., regulations change, plan fails upon use, the facility process or contingency plan is modified).

k) Incidents must be reported to appropriate agencies.

IMPLEMENTATION

The responsibility for oil spill prevention and the SPCC plan implementation rests with the Operational Manager of the Miami Cement Mill.

All plant personnel must receive indoctrination in the control of any oil spill. In the case of any oil spill or leakage, individual initiative in observing, reporting, and then immediately commencing restraint measures is paramount. Also, timely notification of the apropos management officials is of the utmost importance.

In the case of an oil spill, the Process Foreman is the line supervisor with direct responsibility for implementing the provisions of the SPCC Plan. The Process Foreman is also directly responsible for indoctrinating his subordinates in the standard operating procedures in the case of an oil spill. The Process Foreman will report any oil spill occurrence to the other contact official. After direct inspection of the scene, one of the contact officials will notify the appropriate County and State Pollution authorities.

As otherwise described, if through any set of remote circumstances, an oil spill overcame the containment structure surrounding that storage area, any readily available sorbent material will be utilized to form cascading barriers between the spill and water courses.

Visible oil leaks from tank seams, gaskets, and bolts should be promptly reported. Routine inspection for such leaks is incorporated into the routine security, safety, operating and maintenance programs/inspections. Any evidence of leaks, oil accumulation, corrosion, other deterioration, tampering with valve locks, or other irregularities will be noted and programmed for expeditious maintenance and or other management corrective action.

Oil for the purposes related to the SPCC plan is defined as oil or oil related products and generally encompasses fuel oil, diesel oil, gasoline, lubricating oil, and other such petroleum derived products

The primary purpose of an SPCC plan is to prevent any oil which may be spilled from reaching and navigable water. Navigable water are any river, stream, brook, or any other type of water which will eventually run or drain into a navigable river or lake. For purposes related to the Miami Cement Mill, the following are considered to be navigable waters:

1. Mud Creek which flows adjacent to the plant entrance and egress road (137th Avenue) to the Tamiami Canal.

2. Any of the lakes which result from quarry operations. While the are certainly navigable, they are considered critical because of their location in an environmentally sensitive area.

Since the entire plant site was filled to conform with the Flood control district criteria at the time of construction the topography of the area is virtually constant. However, due to the proximity of the fuel farm tanks to Mud Creek, this is considered the foremost danger point. If an unforeseen calamity severely ruptured one of the main tanks and also ruptured the secondary containment then appropriate plant personnel would stand by to seal the breech in the dike and erect interdictory containment barriers as needed. These barriers would consist of the abundance of materials on the plant site such as limestone, cement, stack dust etc. Any of these materials will both act as a barrier and ultimately a sorbent as needed.
All of these materials are available in large quantities on the plant site as well as the equipment necessary to move them quickly . These same basic procedures would be used to contain any spill on the plant site.

All required plant resources would be used to insure that a spill did not reach Mud Creek. However, if it were apparent that the oil spill could potentially reach the creek then berms could be established in the creek both up and down stream to contain the spill and limit the clean up required.

SPILL PREVENTION AND COUNTERMEASURE PLAN

RESPONSIBLE INDIVIDUAL

		WORK	HOME
⇒ Vice President of Cement Operations:	James S. Jenkins III	305-229-2951	954-472-9049
⇒ Operations Manager	Michael C. Gordon	305-229-2962	954-341-7731
⇒ Cement Division Environmental Mgr.:	Michael D. Vardeman	305-229-2955	954-972-1634

⇒ 24 Hours per On-site Process Foreman Day 305-229-3920 or 305-229-3981

Owner: CSR Rinker
Belvedere Road
West Palm Beach Fl

Parent Company : CSR Limited
Sydney Australia

The responsibility for the implementation of the spill prevention and countermeasure plan rests with the on site operations manager

Routine inspections of tanks, containment systems, piping and related equipment are incorporated into the existing daily and routine operational, maintenance, and security inspection system. Any leaks, oil accumulation, corrosion, other deterioration, tampering with valve locks, or other irregularities will be noted and programmed for expeditious maintenance or other management action required.

In the case of any spill, the process foreman is the on-scene line supervisor with the direct responsibility for implementing the necessary steps to stop, contain , and control the spill utilizing the resources and equipment at the plant necessary to control and contain the situation. He also has the responsibility to notify the operations manager and environmental manager of the situation. These individuals will take necessary steps once they are assured by direct inspection of the scene that the situation is under control , to get additional outside help if necessary, and to notify other company responsible individuals and county, state, and federal agencies as necessary.

Other forms and phone numbers for agencies and assistance are located in the Rinker environmental manual.

CONTACT OFFICIALS

1. The On-Scene process foreman: one of the following
   Timothy Duffy
   Vernon Clark
   Jim Sujansky
   Joe Kronick
   Dave Durkin
   229-2920 or 229-3981

2. **Michael C. Gordon, Operations Manager (home phone 954-341-7731)***

3. James S. Jenkins III, Vice-President Cement Operations (home phone 954-472-9049)

4. Michael D.Vardeman, Environmental Manager (home phone 954- 972-1634)

5. Dave Marple, RES Manager, (home phone 954-344-7847)

6. Sergio Pernas, Production Manager (home phone 305-553-0550)

7. Bob Amos, Maintenance Manager (home phone 954-423-6624)

***Primary ERC**

Emergency Response Contractor

Primary-- Cliff Berry, Inc., Pt Everglades 305-763-3390

Secondary-- PMI, Inc Ft Lauderdale 305-940-2698

On site alarm, telephone, and radio systems will be used to alert plant personnel of fire, explosion, or spill. Additionally, the telephone system will be used to notify 911 which will alert fire, police as needed. Finally, the telephone system or portable phones will be used as necessary to notify agency personnel of the situation.

CSR/RINKER CEMENT MILL

HURRICANE SAFETY

Updated: May 30, 1996

CSR/Rinker - Cement Mill

Hurricane Instructions

When advised of the approach of a hurricane the following general steps shall be taken:

GENERAL PLANNING - Hurricane supplies and equipment are to be stored in coal sorting room.

Lab	-	Check supply of visqueen and rags.
Yard	-	Check supply of plywood for boarding up windows.
Storeroom	-	Check supply of polyethylene plastic to cover motors, etc.
Storeroom	-	Check supply of flashlights, flashlight batteries and bulbs.
Storeroom	-	Check to see that diesel tank is full.
Storeroom	-	Check on supply of gasoline cans.
Storeroom	-	Check on supply of paper cups for drinking water.
Storeroom	-	Check on supply of rope.
Each Dept.	-	Check two-way radios (walkie-talkies)
Storeroom	-	Check on supply of drinking water

HURRICANE SUPPLY QUANTITIES REQUIRED

• Plastic Sheeting (Visqueen) 10'x100'x.004	(4 rolls)
• Flashlights 2 cells	(6 ea.)
• Batteries size D, 1.5 volts	(24 ea.)
• Sparebulbs PR3	(6 ea.)
• Manila rope 1/2"x600' coil	(6 coils)
• Rain suits (large)	(4 ea.)
• Drinking cups (cone cups) 5000/case	(1 case)
• Hand soap (bars)	(13 ea.)
• Hand soap (Citrus 1 gallon container)	(4 ea.)
• Toilet paper (case)	(3 case)
• Cots (canvas folding type)	(6 ea.)
• Paper towels (case)	(1 case)
• Gas cans	(3 ea.)
• Masking tape (2"x60 yds)	(10 ea.)
• Drinking water (5 gallon bottles)	(1 rack w/30- 5gal bottles)
• Styrofoam drinking cups (8oz) 1000 case	(2 cases)
• Heat Lamps	(16 ea.)

Wipers are available in cases of 900 from the Storeroom, they can be used as rags or drying material.

Get gasoline tanker on-site full.

Ice machine full.

PERSONNEL RESPONSIBILITIES

Supervisors will be responsible for all hurricane protection within their department.

Process Foremen will have the responsibility to see that Mill, Kilns, Correcting tanks, and Overhead Cranes have carried out protection against hurricane.

Yard Foreman has the responsibility to see that all yard equipment has been properly secured. In addition, he must see that all loose material throughout the plant is secured or removed.

Packhouse Foreman is responsible for carrying out procedure in Packing and Shipping department and also Track Scale House.

Maintenance Foremen are responsible for Machine Shop, Truck Garage, Fuller Compressor Room, Raw Water Supply, and assist in covering motors, lashing down bridge cranes.

Lab Supervisor provide a supply of water in containers to office and in storeroom.

Materials Foreman has the responsibility for carrying out hurricane procedures in the Crushing Dept, Car Unloading Station, and Coal Loading System, and the Flyash System.

Resource Recovery Foreman handle dryer, material storage building, tires/trailer.

Office and Safety Managers check on first aid supplies. Also have sufficient film on hand to take pictures of storm damage. Remove flags and secure rope on flag pole.

Department Manager/Supervisors poll department personnel to stay at plant in the event of hurricane should threaten.

WHEN HURRICANE IS IMMINENT -

Shift Foremen will have the responsibility of carrying out protection for Overhead Cranes, Mills, Correcting Tanks, Kilns, Kiln Feed Tanks, and Dryer.

Bridge Cranes

1. Lower buckets to floor.
2. Park both cranes in center of building.
3. Lash together and chock wheels.
4. Be sure all main switches are pulled and doors and windows closed and latched.

Raw Mill

1. Close doors and block with drums of balls.
2. Check and clean sump pits and see that ejector pumps are working.
3. Set lights for emergency operations.
4. Cover all Raw Mill motors.
5. Cover motors in fish slurry pit.
6. Close top door by #4 separator and hatch.
7. Close door by #4 air compressor and berm.
8. Open bottom of elevators and clean out cement.
9. Cover fuller compressor motors.
10. Cover Fuller Kinyon pump motors.
11. Covers separator motors.

Finish Mill

1. Close doors and block with drums of balls.
2. Open bottom of elevators and clean out cement.
3. Set lights for emergency operation.
4. Berm doors.
5. Cover all finish mill motors.
6. Cover Fuller Kinyon pump motors.
7. Cover Fuller compressor motors.
8. Cover separator motors.

Correcting Tanks

1. Close and latch all doors and windows.
2. Clean out sump and check ejector pump.
3. Park elevator on top floor - turn off power.
4. Check rake controls.
5. Cover pump motors.

Kilns

1. After normal shutdown procedure has been followed, empty all clinker conveyors in kiln outlet building.
2. Open clinker elevators at bottom and clean out.
3. Check emergency starting engines and fill with fuel.
4. Park kiln inlet elevator at ground floor level.
5. Clean conveyor tunnel.
6. Set lights for emergency operation.

7. Provide protection to central control panel room windows to prevent breakage (tape).
8. Berm roadway in front of coolers.
9. Cover Fuller clinker cooler drive motors and cooler fan motors.
10. Cover kiln drive motors.
11. Cover induced draft fan motors.
12. Cover controllers and M.G. sets.
13. Cover shell cooling fan motors.
14. Cover all dust screw motors.
15. Cover all dust elevator motors.
16. Remove new shell scanner heads and cover rest of unit with plastic.

Stone Dryer

1. After normal shutdown, leave the feed belt full of material.
2. Turn off the gas valve to the burner.
3. Turn off the gas valve to the oxidizer.
4. Turn off the gas valve at the burner floor.
5. Cover the following motors:
   - Feed belt
   - Dryer
   - Primary collected screw
   - Cross screw
   - Return screw
   - Intermediate return screw
   - Transverse screw
   - 4 cooler motors
   - Aux. collected screw
   - Aux. intermediate screw
   - Slat conveyor
   - Discharge elevator
   - Primary air fan
   - Secondary air fan
   - Aux. Baghouse fan
   - Primary Baghouse fan
   - Oxidizer fan
   - Oil pump
   - Air compressor
6. Cover the oxidizer fire eye
7. Turn off all switches at main switch gear
8. Turn off the co-monitor and tape the door and windows cover with plastic
9. Cover air conditioner unit
10. Remove the pads on top of the primary baghouse

11. Secure all conveyor tops
12. Turn off the main computer
13. Shut "all" oil valves - all tanks 1/2 full or more
14. Control room close, lock and seal
15. Berm doors
16. Berm electric switchgear / pit

Tank Farm and Pumphouse Area (including oil water separator)

1. Insure all valves are closed in and out of system
2. Bolt all tank hatch cores down tight
3. Cover all electric motors with plastic - cover electric controls with plastic
4. Shut all power off in switch gear room
5. Tie off truck hose in containment area, place 55 gallon trash cans inside pumphouse
6. Make sure all tanks are 50 percent full or more
7. Open all valves in rail car containment area
8. Cover windows for pump room - close, lock, and berm doors

Soils Building

1. Shut off all power on switch gear unit. Cover motors with plastic.
2. Tie switch gear doors and seal in place.
3. Lower conveyor and screen to lower position, tie down all conveyor belt. Berm with soil.
4. Pick all loose equipment, trash cans, tools etc, put in steal lock up container. Berm container in place.
5. Fill water tank on east side of building.
6. Position loader inside building in front of screen, in back of building.
7. Have roll offs removed form facility. If removal not possible cover any materials with loader as needed to prevent overflowing around and berm to prevent movement.
8. Get rental equipment removed from facility and parked safely side by side for protection.

Drum Process Building

1. Shut off power at switch gear unit.
2. Fill water tank at pressure cleaner.
3. Pickup and secure all loose items and equipment.
4. Secure oil /water cleaner and cover.
5. Crusher cleaned drums and dump in lake or fill with dirt.
5. Trucks and trailer - park together, berm around wheels and landing gear.

Kiln Waste Water Tanks

1. Bolt down hatches.
2. Tanks to be 50 percent or more full,
3. System off
4. Cover pump motors with plastic and secure with rope.
5. Close all valves in the system.
6. Leave northeast containment drain open to allow water drain out after insuring there is no oil in area.
7. Trailers - next to pile - west side.
8. Bag landing gear.

Kiln Feed Tanks

1. Check sumps and make sure ejector pumps are working.
2. Cover all pump motors.

When hurricane is imminent the following procedure must be carried out immediately:

Materials Handling Foreman will have the responsibility of carrying out protection for the Crusher, Car Unloading, and Coal Handling Equipment.

Crusher

1. Cover the control panel with tarp.
2. Secure all windows and doors.
3. Check sump and clean if necessary.
4. Set brakes on rock tripper.
5. Close all doors in crusher buildings.
6. Set lights for emergency operation.
7. Cover Jaw Crusher motor.
8. Cover impactor drive motor.

Car Unloader

1. Secure car shaker on platform where it is stored.
2. Berm raw materials hopper and door to downstairs tunnel.
3. Check sump and make sure ejector pump is working.
4. Cover motors of car shaker.

Coal

1. Tie down belt conveyors; cover motors.
2. Tie down incoming coal conveyor.
3. Secure cover on top of coal silo.
4. Secure all belt covers.

Flyash

1. Cover control panels in compressor room.
2. Cover compressor motors.
3. Close and latch doors.
4. Tie down air and discharge hose.
5. Close and latch doors at blow tank room.

When Hurricane is imminent -

Packing /Shipping Manager & Asst. Manager are responsible for the Packing & Shipping Department (May call upon Maintenance and Electrical Departments for assistance.)

Packing and Shipping Cement Storage

1. Loading & dust collection spouts in silos must be secured from swinging. All baskets must come down.
2. Secure all silo hatches on silo roof.
3. Cover all silo vents on silo roof.
4. Empty & seal all floor screws in Packhouse so water cannot get into screws and harden cement.
5. Empty all supply bins in packhouse #1 through #7.
6. Open cement bucket elevators and empty bottoms out.
7. Turn off air to silos.
8. Set all lights for emergency operation.
9. Cover the control panels in the silos and the packhouse.
10. Cover the MCC's in the silos and the packhouse.
11. Move empty pallets into packhouse. If not possible store in silos or tightly corral with loaded tankers.
12. Move all elevators to the top floor and cut power off.
13. Remove all scrap pallets and other debris from all terminal areas.
14. Cover FK pump motors in silos.
15. Cover FK compressor motors in silos.
16. Cover Sullair compressor motors on both the packhouse and the silos.
17. Cover silo dust collector motors and controls.
18. Cover electronic track scale controls.
19. Park locomotive in flyash unloading building.
20. Board or tape packhouse office windows.

21. Board or tape terminal office windows.
22. Seal with tape all cracks in pit scales.
23. Make sure sump pump in scale pit is working and that sump is drained as low as possible.
24. Remove and store all garbage containers and other outside items.
25. Stack 2 full pallets securely against each rollup door in the packhouse to protect door against the wind.
26. Move all empty bags as deeply as possible in the silos and cover outside stacks with pallet covers.
27. Elevate all bags onto 2 extra pallets to keep bags out of standing water.
28. Use sand to run a berm along all silo openings.
29. Back up all essential computer data unto floppies.
30. Dismantle all computer equipment and store in the front office.
31. Store all essential paperwork in lock file cabinets and move away from windows.
32. Clean out all drainage points so water will flow.

Transport

1. Load all tanks and leave connected to the tractors with the landing gear rolled down.
2. Corral all empty flatbeds tightly with loaded tanks.
3. Any loaded flatbeds should be double tarped and fully strapped.
4. Strap all unused tarps to the flatbeds or store in the transport shop.
5. Secure all dunnage on the he flatbeds with straps or remove and store in the transport shop.
6. Secure all spare hoses on tanks.
7. Board or tape all windows.
8. Store pressure washer guns and hoses.
9. Secure trash cans and other outside items that can fly.
10. Set up fuel tanker to deliver gasoline and store tanker in the silos with the tractor connected.
11. Move company tractors, nose to nose, into transport shop.
12. Move yard tractor into silos.
13. Secure sideboards on drum trailer so they won't fly.

When Hurricane is imminent -

Yard Department will be responsible for carrying out the following procedures:

1. Check Yard completely and see that Yard equipment is secured, that all loose material throughout the Plant is secured or removed.
2. Park all mobile equipment in truck garage and machine shop.
3. Secure all doors in fuel pumphouse and control room.
4. Secure doors of Butler Building with drums of balls.
5. Assist in securing other Departments as requested.
6. Tape windows and doors at Main Office.

When Hurricane is imminent -

Laboratory will be responsible for carrying out the following procedures:

1. Check out of storeroom - adequate supply of flashlights, first aid supplies, drinking water containers, and food if personnel are to be in the area during storm.

2. Check out boots and raincoats.

When Hurricane is imminent -

Electrical Department - will be responsible for carrying out the following procedures:

1. Check operation of all sump pumps.
2. Check all motor heaters.
3. Check emergency generator for proper operation.
4. Assist other Departments in covering electrical equipment.
5. Secure and tape all windows in main switchgear room.
6. AFTER STORM check all motors with megohm meter before starting.

When Hurricane is imminent -

Maintenance Department will be responsible for carrying out the following procedures:

1. Close all doors to machine shop, truck shop and truck storage (block with drums of balls).
2. Secure all windows in machine shop, truck shop and paint shop.
3. Secure all windows in compressor room.
4. Close all doors in compressor room.
5. Assist other Departments as needed.

When Hurricane is imminent -

Resource Recovery will be responsible for carrying out the following procedures:

<u>Kiln Waste Water Tanks</u>

1. Bolt down hatches.
2. Tanks to be 50 percent or more full.
3. System off
4. Cover pump motors with plastic and secure with rope.
5. Remove truck unloading line and tie securely to piping inside diked area.
6. Close ALL valves in the system.
7. Leave Southwest dike drain open after insuring there is no oil in the are to drain out of the system.

<u>Horizontal Oil/Water Tanks</u>

1. Insure all valves are closed in or out of the system.
2. Bolt all hatch covers down tight.

ATTACHMENT 7

Unit Management Plans

Attachment 7: Unit Management Plans

This plan documents that all aboveground used oil storage tanks are properly labeled with the words "Used Oil". In addition, the management plan description documents that all used oil storage tanks meet the following requirements:

a) For containers:
   (i) Adequate aisle space;
   (ii) Adequate secondary containment, including design, capacity and specifications; and
   (iii) Inspections and corrective actions.

Not Applicable -- Tank Storage

b) For tanks:
   (i) All aboveground storage and process tanks must meet the requirements of Rules 62-762.500 (Performance Standards for New Storage Tank Systems), 62-762.510 (Performance Standards for Existing Shop-Fabricated Storage Tank Systems), 62-762.520 (Performance Standards for Existing Field-Erected Storage Tank Systems), 62-762.600 (General Release Detection Standards), and 62-762.700 (Repairs to Storage Tank Systems). All underground storage and process tanks must meet the requirements of Rules 62-761.500 (Performance Standards for New Storage Tank Systems), 62-761.520 (Performance Standards for other Existing Petroleum and Petroleum Product Storage Systems Non-Vehicular Fuels), 62-761.600 (General Release Detection Standards), 62-761.620 (Release Detection Standards for Other Regulated Substance Storage Tanks), 62-761.630 (Release Detection Standards for Integral Piping), and 62-761.700 (Repairs to Storage Tank Systems).

All Aboveground Tanks in Compliance with Rule 62-762, F.A.C.

   (ii) All storage and process tanks must have a closure plan that meets the requirements of Rules 62-761.800 (Underground Storage Tank Systems: Out of Service and Closure Requirements) and 62-762.800 (Aboveground Storage Tank Systems: Out of Service and Closure Requirements).
   (iii) All storage and process tanks must have an inspection or monitoring plan that meets the requirements of Rules 62-761.600 (Underground Storage Tank Systems: General Release Detection Standards) and 62-762.600 (Aboveground Storage Tank Systems: General Release Detection Standards).

See Attachment 8: Closure Plan

   (iv) A plan for the removal of released material and accumulated precipitation from secondary containment.

All such material is incorporated into cement-making process

STORAGE TANKS AND PIPING INSPECTION

Procedure:

All storage tanks, piping, joints, valve glands and bodies, pipelines support, metal surfaces, and other aboveground equipment and facilities for holding oil or oily water will be visually checked by each employee as he pursues his daily work. Any and all discrepancies will be reported immediately to the supervisor. Additionally, an entry will be made in the record of the discrepancy and corrective action taken.

A DETAILED AND SPECIFIC VISUAL CHECK OF THE ENTIRE FACILITY, INCLUDING MONITORING WELLS WILL BE MADE ON THE FIRST WORKING DAY OF EACH WEEK. RECORDS OF THESE INSPECTIONS WILL BE MAINTAINED AT THE PREMISES AND AVAILABLE TO DERM'S STAFF. (See Exhibit #13)

Visible oil leaks from tank seams, gaskets, and bolts should be promptly reported. Rountine inspection for such leaks is incorporated into the routine security, safety, operating and maintenance programs/inspections. Any evidence of leaks, oil accumulation, corrosion, other deterioration, tampering with valve locks, or other irregularities will be noted and programmed for expeditious maintenance and or other management corrective action.

TABLE 1

TANK NO.*	DATE INSTALLED	SIZE (GALLONS)	MAT. OF CONST.	PRODUCTS
E1 (AG)	4/88	20,000	Steel	Oily Water
E2 (AG)	6/88	20,000	Steel	Oily Water
D1 (AG)	10/89	25,000	Steel	Oily Water
D2 (AG)	10/89	25,000	Steel	Oily Water
D3 (AG)	10/89	25,000	Steel	Oily Water
D4 (AG)	10/89	25,000	Steel	Oily Water
BA (AG)	6/58	600,000	Steel	Oil
C (AG)	6/58	600,000	Steel	Oily Water
F (AG)	6/58	30,000	Steel	Oil

* After tank number identify if aboveground (AG) or underground (UG)
Describe any other type of containers holding chemicals

Number None

Average

Spill Events:

None to report.

Prediction of spill behavior:

(a) A spill from any of the bulk storage tanks would be contained within the secondary containments and reintroduced into Material Substitution and consumed in the cement manufacturing process.

Bulk Storage Tanks:

The materials and design of the bulk storage tanks are compatible with the products they hold. A detailed inspection will be made of each tank each week and a record will be kept on the results of the inspections. All aboveground tanks, their foundations and supports will be visually inspected daily during routine operations. Each aboveground storage tank has visual gauges and its contents are measured daily.
Records of contents are kept. Also, gaskets, pumps, lines, etc. are inspected daily by personnel. Any leakage is reported.

Inspection Records:

Inspection, their frequency and records are maintained as Follows:

Inspection/Test	Frequency	Records
Tank integrity (visual)*	weekly	yes
Tank supports and foundations (visual)*	weekly	yes
Liquid sensing devices	weekly	yes
Aboveground valves pipe and fittings (visual)*	weekly	yes
Corrective actions	as required	yes

* Also subject to daily routine inspection by operating personnel.

Monitoring Wells - See Section VIII Ground Watering Monitoring Plan

R.O. NO.	PERIODIC P.M. CHECK LIST	NO.	JOB CLASS.	FREQ.	HRS./FREQ.	CREW	SIZE	COMPL. DATE	FOREMAN INIT.	FOR WEEK OF

ASSIGNED TO _____ **TO INSPECT - CLEAN** WEEK NO. _____

EQUIP. NO.	EQUIP. NAME / INSTRUCTIONS	EST. REM. LIFE	O K	R. O.
-1-2	20,000 gal. oily water tanks			
	Tank welded seams			
	Tank condition around base			
	Lines & flanges			
	Valves & flanges			
	Pump			
	Condition of berm around tank			

EQUIP. NO.	EQUIP. NAME / INSTRUCTIONS	EST. REM. LIFE	O K	R. O.
D-1-2-3-4	25,000 gal. oily water tanks			
	Tank welded seams			
	Tank condition around base			
	Lines & flanges			
	Valves & flanges			
	Pump			
	Condition of berm around tank			

EXHIBIT 15A

MARKS: _____

R.O. NO. | PERIODIC P.M. CHECK LIST | NO. | JOB CLASS. | FREQ. | HRS./FREQ. | CREW | SIZE | COMPL. DATE | FOREMAN INIT. | FOR WEEK OF

ASSIGNED TO _____

TO INSPECT - CLEAN

WEEK NO. _____

EQUIP. NO.	EQUIP. NAME / INSTRUCTIONS	EST. REM. LIFE	O K	R. O.
B.	600,000 gal. waste oil			
	Check for leaks & condition of			
	tanks, lines, valves			
	Tank welded seams			
	Drain valve & line			
	Inlet line & flanges			
	Valves, flanges, pumps, strainers			
	Vent on tank			
	Manhole cover on tank			
	Condition of earthen dike around tank			
C.	600,000 gal. oily water tank			
	Check for leaks & condition of			
	tank, lines, valves			
	Tank welded seams.			
	Tank condition around base			
	Drain valve & line			
	Inlet line & flanges			
	Valves, flanges, pumps, strainers			
	Vent on tank			
	Manhole cover on tank			
	Condition of earthen dike around tank			

EQUIP. NO.	EQUIP. NAME / INSTRUCTIONS	EST. REM. LIFE	O K	R. O.
F.	30,000 gal. waste oil kiln day tank			
	Tank welded seams			
	Tank condition around base			
	Inlet line & flanges			
	Outlet line & flanges			
	Valves at tank			
	Valves & Lines at heater room			
	Valves & Lines at pumps			
	Condition of building around tank			

REMARKS: _____

ATTACHMENT 8

Closure Plan

Attachment 8: Closure Plan

This plan includes:

a) A closure schedule;

b) A listing of tanks, piping and other equipment that will be cleaned/closed;

See Attachment 7

c) Procedures for decontamination of tanks, containers, pipes, equipment and other process areas;

d) All sampling and analysis will be in accordance with SW-846 or equivalent methods;

e) A description of the characterization and disposal of rinsewaters and residues generated from clean-up and closure activities;

All such material is incorporated into cement-making process

f) A description of the characterization and disposal of solid wastes generated from clean-up and closure activities;

All such material is incorporated into cement-making process

g) A description of soil sampling near secondary containment.

Will only be conducted as required at time of closure

Also describe how the following will be addressed at time of closure:

(i) A description of how, if soil is contaminated, the groundwater will be sampled

See Groundwater Monitoring Plan, on file with Department

(ii) A description of how, if groundwater is contaminated, the facility will meet the closure requirements of 40 CFR, Part 265.310, Closure and Post-Closure Permit.

Not Applicable -- 40 CFR 265 applies to hazardous waste TSD facilities

CLOSURE PLAN FOR CSR-RMC WASTE OIL FACILITIES

ACCESS:

Were Rinker to close this operation the vendors whom Rinker receives these materials from would be notified of the esstoppage. From that point on materials would not be accepted from these vendors. Additionally, security and gated access will continue to operate as the facility will continue to manufacture cement. No notice of site closure will be necessary to be posted because the site will not have allowed access to the public, only the contracted vendors.

Notification:

CSR-RMC will notify the FDEP and Dade County DERM of the closure within 72 hours of the cessation of the acceptance of these materials. The FDEP will also be notified of the proposed method of closure and when completed the completion of the same

Oil/ Oily Waste Removal

All oil/oily residue left in tanks will be consumed in the process so that there will be no such materials left on site when this operation ceases.

Time Schedule

The cessation of use of oil/oily waste will be completed as expeditiously as practical considering the volume on site, normal usage and any tank or pipeline cleanup required. This total process should take less than three months depending on tank cleanup/scheduling requirements. All of the materials involved will be utilized in the cement manufacturing process.