



KOOGLER & ASSOCIATES
ENVIRONMENTAL SERVICES

4014 NW THIRTEENTH STREET
GAINESVILLE, FLORIDA 32609
352/377-5822 ■ FAX 377-7158

KA 263-96-07

March 17, 1997

RECEIVED

MAR 18 1997

DEPT OF ENV PROTECTION
WEST PALM BEACH

Mr. Joseph Lurix
Solid Waste Section
Florida Department of
Environmental Protection
Southeast District
400 North Congress Ave.
West Palm Beach, FL 33416-5425

Subject: Rinker Materials Corporation
Miami Soil Thermal Treatment Facility
FDEP File No. S013-300512

Dear Mr. Lurix:

Enclosed is a signed and sealed copy of the latest revision (dated 3/17/97) to the Closure Cost Estimate for the subject facility.

If you have any questions, please do not hesitate to contact me.

Very truly yours,

KOOGLER & ASSOCIATES

Steven C. Cullen, P.E.

SCC:wa
Enc.

c: Mr. M. Vardeman, Rinker Materials

CLOSURE COST ESTIMATE

Revised 3/14/1997

Revised 3/17/1997

Project Information

- Non-hazardous coal tar contaminated soil
- Approximately 86,000 tons
- Site location: Miami, Florida

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WEST PALM BEACH

Estimate Information

Loading to dump trucks: \$0.50/ton

Source of estimate: Mike Vardeman -- Rinker
George Cubas -- Chambers Waste Systems

Transportation to Okeechobee: \$11.00/ton (123 miles @ \$0.09/ton/mile)

Source of estimate: George Chapas -- TPS Technologies (\$0.12/ton/mile)

Miami: West Palm = 64 miles

$\$7.50/\text{ton} \div 64 \text{ miles} = \$0.12/\text{ton/mile}$

Trevor Cook -- Kleensoil International (\$0.06/ton/mile)

Miami: Sarasota = 214 miles

$\$13.50/\text{ton} \div 214 \text{ miles} = \$0.06/\text{ton/mile}$

George Cubas -- Chambers Waste Systems (~\$10/ton)

Transportation & landfilling = \$30/ton or less (3/14/97)

3/17/97 told Joe Lurix (FDEP-SED) ~\$10 for transportation,

~\$20/ton for landfilling

Landfilling in Class I Double Lined Landfill: \$19.00/ton

Source of estimate: George Cubas -- Chambers Waste Systems

Total = \$30.50/ton

@ 86,400 tons = \$2,635,200

This estimate was prepared by:


Steven C. Culien, P.E.
Koogler & Associates
FL PE 45188

Mileage estimates from *Florida Atlas & Gazetteer* Mileage Chart.

Cost estimates are from telephone interviews and Requests for Cost Estimates.

K&A 263-96-07

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MAR-18-97 TUE 9:37

Waste Systems of Florida, Inc.

10800 N.E. 128th AVENUE OKEECHOBEE, FL 34972-8113-357-0111

P. 01

FAX COVER LETTER

DATE:

3/12/97

TO:

JOE LURIX

OFFICE:

FLA DEP

FROM:

GEORGE CURASNumber of pages including this cover sheet is 1.

COMMENTS:

THE TRANSPORTATION AND
DISPOSAL RATE FOR APPROXIMATELY 86,000
TONS OF SOIL OUT OF DADE COUNTY IS
\$30.00 PER TON AT OUR LANDFILL IN
OKEECHOBEE COUNTY. THIS RATE IS VALID FOR
6 MONTHS.

THIS IS THE SAME RATE GIVEN TO STEVE
CUMEN OF KODGLER & ASSOCIATES ON 3/14/97

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

Date: 17-Mar-1997 03:36pm EST
From: Joe Lurix WPB
LURIX_J
Dept: Southeast District Office
Tel No: 561/681-6669
SUNCOM: 226-6669

TO: Erika Frederick TAL

(FREDERICK_E @ A1 @ DER)

CC: Lee Hoefert WPB

(HOEFERT_L)

Subject: FWD: cce revised for Rinker

Erika,

I just received a fax from Steve Cullen, P.E. of Koogler and Associates with revised closure cost estimates for Rinker dated 3-17-97. I have reviewed the CCE and concur with the estimate. A hard copy of this memo is in the mail to you. The CCE is now for \$2,635,200.00. This estimate is also being faxed and hard copied to you.

TELEPHONE LOG

DATE 3-17-90 8²⁰ AMNAME Steve CullenPHONE NUMBER (352) 377-5822ADDRESS Boogle & AssociatesCITY JamestownREF: Kinker - revised CCE 3-14-97

COMET NO.

Called for S. Cullen. He's not in & will call back.

8⁴⁵ AM Steve called back. I advised him of my call of J. Cubas.
Steve will have J. Cubas fax letters to Steve, revise CCB
& send to me.

Z

TELEPHONE LOG

DATE 3-17-97 8:10 AM

NAME George Cubas, sales rep. PHONE NUMBER (941) 467-0499

ADDRESS Chambers Landfill 305-793-2558 mobile

CITY _____

REF: Rinker - Closure Cost Estimate revised 3/14/97

COMET NO. _____

I received a call from J. Cubas concerning the quote on the CCE. Price quote states \$30/ton for landfilling w/ transportation. J. Cubas is a sales representative for Chambers.

8:36 AM - Hauler is "Soils Tech". - He will provide a letter from them.

(2) Transportation costs are \$10/ton.

(3) Landfill costs are \$20/ton. Chambers will provide a letter. Letter will be faxed this AM. to me. Advised him that there must be representative & accurate numbers for this type of work.