



Mr. Steven G. Morgan
Florida Department of Environmental Protection
Southwest District - Waste Management Section
13051 N. Telecom Parkway
Temple Terrace, FL 33637-0926

Re: CEMEX South Cement Plant Alternative Fuel/Material Processing Facility
Pending Permit #22787-004-SO/31
WACS: 40778, Brooksville, Hernando County, Florida

Dear Steven:

Thank you for meeting with representatives of CEMEX Construction Materials Florida, LLC (CEMEX) and Koogler and Associates, Inc. (Koogler) on January 16, 2012 to discuss the Department's request for additional information (RAI) dated December 13, 2012. On behalf of CEMEX, Koogler is responding to the RAI. The RAI items and our responses are as follows:

1. *"As discussed in the cover letter for this application, it is the intent of applicant to separate operation of the Cement Plant from the Conditions of Certification for Site Certification #PA82-17P. In addition to waste tire processing and management and storage of alternative fuels, part of the operation of the cement plant is the management and storage..."*

Response: The Department references *"...part of the operation of the cement plant is the management and storage of other waste materials utilized in cement plant operation (e.g. synthetic gypsum, slag, power plant ash, etc.)"* and *"...ongoing compliance concerns with the storage of some of these materials at the facility (e.g. TECO Gannon ash)..."*. This references materials at the Plant which are not the subject of this application. This was further discussed during the meeting on January 16, 2013. The original application submittal addressed the management and storage of alternative fuel materials.

2. *"Part A.5.: The DEP ID number for this facility is 40778. Please revise this part of the application form to reflect this number."*

Response: The DEP ID number has been revised as noted, and Part A.5. of the application is provided as Attachment 1.

3. *"Section 3.1: In accordance with Rule 62-701.320(1), F.A.C., the storage of alternative fuel materials (AFM) at the Gregg Mine would require a solid waste management facility..."*

Response: Acknowledged.

4. *"Section 3.3: Please identify the location of the AFM handling/injection feeder system on Figure 1 – Site Plan."*

Response: Figure 1 has been revised to include the location of the AFM handling/injection feeder system (Attachment 2).

5. *"Section 3.4.*

- a. *Please provide the support information, calculations, and/or assumption utilized in determining the storage capacity for each proposed AFM storage location identified in this section.*

Response: The support information for the storage capacities of each proposed AFM storage location is provided as Attachment 3.

- b. *A-Frame Building (AFB): Please revise this section to specifically describe the construction details of the floor (e.g. material type, thickness, sealant, ..."*

Response: The floor of the A-Frame Building is an impervious surface which according to boring logs varies in composition of:

- **between 6 inches and 1 foot 6 inches of compacted limestone, beneath which lies between 2 feet 6 inches to 4 feet 6 inches of clay; or**
- **over 4 feet of clay**

Either hard rock or limestone was encountered at each boring at a depth of between 4 and 5 feet. Two permeability tests were performed at depths of 12 to 14 inches below the existing ground surface which resulted in the determination that the floor of the A-Frame Building is impervious. The report with boring logs and methodology of the soil sampling is provided as Attachment 4.

To address the possibility of windblown rain coming into contact with AFM, the materials will not be stored within approximately 6 feet from the edges of the building.

- c. *Additive Storage Building (ASB): Please revise this section to specifically describe the construction details of the clay floor (e.g. clay type, thickness, ..."*

Response: The floor of the ASB is compacted subgrade material overlain by 10 inches of compacted graded aggregate which is overlain by 12 inches of clay. We believe that the permeability tests performed on the floor of the A-Frame Building, which is constructed of similar materials, provides a basis for assurance that the floor of the ASB is also impervious. The structural details of the ASB are provided as Attachment 5.

To address the possibility of windblown rain coming into contact with AFM, the materials will not be stored within approximately 6 feet from the edges of the building.

- d. *"Alternative Fuels/Materials Storage Processing Slab (AFM Slab): This section indicates that runoff from this slab is "directed to the drainage ditch which outfalls..."*

Response: Only untreated biomass and agricultural materials (i.e. peanut hulls, etc.) will be stored outside. Run-off from these materials should not require additional review/approval as an industrial wastewater run-off for the following reasons:

- These materials are to be stored on the CEMEX property as the primary fuel source for the biomass power plant (Florida Power Development).
- Water sampling is already being conducted on the drainage ditch and outfall ponds. These materials do not contain hazardous waste or additional parameters of concern not already covered by the current monitoring program.
- These materials will not be "processed" as defined in 62-701.200(88) FAC.

6. *"Section 3.6. Please revise this section to provide a specific reference (document title, section, date of submittal) to where and when boundary surveys were previously provided to the Department".*

Response: Copies of the boundary surveys are provided in this submittal as Attachment 6.

7. *"Section 3.8. Section 3.1(i) indicates that engineered fuels may include such potential "non-dry" materials as on-spec used oils, "other non-hazardous liquids", processed MSW, paint filter cake, cosmetics, etc. In addition, while the presence of a roof significantly..."*

Response: Engineered Fuels (EFs) are expected in the next few years to comprise approximately 30 percent of the AFMs to be utilized at the facility, and they will be kept undercover. EFs are generally dry materials, with less than 10% moisture. As explained during the meeting on January 16, 2013, when confiscated AFMs are brought on-site, they are escorted directly to the kiln and are not stored on site.

To reduce the possibility of windblown rain from coming into contact with any AFMs stored undercover, they will be staged no closer than 6 feet from the edges of the building. Additionally, two sides of the ASB building are enclosed with a 10 foot wall, and the building is partitioned lengthwise by a 12 foot interior wall which will assist with keeping the AFMs separated.

8. *"Section 3.9: Please provide the Contingency Plan referenced in this section or copies of the parts of the plan that address the requirements of Rule 62-701.320(16), ..."*

Response: A Contingency Plan is provided as Attachment 7.

9. *"Section 3.10.4: Greenway Recycling, Inc. operates a Class III/C&D debris waste processing facility and as such is not permitted to accept the AFM at their facility. The Greenway..."*

Response: A revised Closure Plan with third party estimates, and revised Form 62-701.900(28), Closure Cost Estimating Form is provided as Attachment 8. Included as Attachment A within Attachment 8 is a revised cost estimate for the disposal of Class I waste at a facility permitted to accept Class I waste for management or disposal.

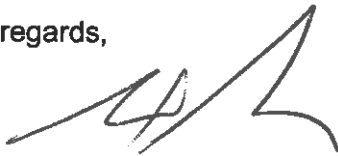
Additionally, during the meeting on January 16, 2013, the Department requested that the applicant confirm that the wood based material obtained from Greenway Recycling does not contain residue, and if it did, it would be considered an engineered fuel and Class III fines. Koogler obtained confirmation from the Clearwater Facility of Greenway Recycling, Inc. on March 20, 2013, that their wood based material is picked and screened and therefore, should not contain residues.

10. *"Rule 62-701.320(8), F.A.C. Please publish the attached Notice of Application and provide proof of publication to the Department."*

Response: The Notice of Application will be published upon the Department's confirmation that the application has been deemed complete except for this item.

We trust this response sufficiently addresses the RAI so that processing of this permit may proceed. Thank you for your continued assistance with this permit application. If you have any further questions, please contact Tammy Reed at 352-377-5822 or treed@kooglerassociates.

Best regards,



Maxwell R. Lee, Ph.D., P.E.

MRL/tr

Enclosures

cc: George Townsend – CEMEX (Email)

- 1. Application Form, Revised Page 1**
- 2. Figure 1 – Site Plan**
- 3. Table of Storage Capacity
Calculations**
- 4. A-Frame Permeability and Boring
Report**
- 5. ASB Building Drawings**
- 6. Boundary Surveys**
- 7. Contingency Plan**
- 8. Closure Plan**

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REVISED

Page 1



KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form #: 62-701.900(4), F.A.C.

Form Title: Application to Construct, Operate, or Modify
a Waste Processing Facility

Effective Date: January 6, 2010

Incorporated in Rule: 62-701.710(2), F.A.C.

APPLICATION TO CONSTRUCT, OPERATE, OR MODIFY A WASTE PROCESSING FACILITY

GENERAL REQUIREMENT: Solid Waste Management Facilities shall be permitted pursuant to Section 403.707, Florida Statutes (F.S.) and in accordance with Florida Administrative Code (F.A.C.) Chapter 62-701. A minimum of four copies of the application shall be submitted to the Department District Office having jurisdiction over the facility. The appropriate fee in accordance with Rule 62-701.315(4), F.A.C., shall be submitted with the application by check made payable to the Department of Environmental Protection (DEP). Complete appropriate sections for the type of facility for which application is made and include all additional information, drawings, and reports necessary to evaluate the facility.

Please Type or Print in Ink

A. GENERAL INFORMATION

1. Type of facility (check all that apply):

☐ Transfer Station

☐ Materials Recovery Facility:

☐ C&D Recycling

☐ Class III MRF

☐ MSW MRF

☐ Other Describe: _____

☒ Other Facility That Processes But Does Not Dispose Of Solid Waste On-Site:

☐ Storage, Processing or Disposal for Combustion Facilities (not addressed in another permit)

☒ Other Describe: AFM Storage and Processing Facility

NOTE: C&D Disposal facilities that also recycle C&D, shall apply on DEP FORM 62-701.900(6), F.A.C.

2. Type of application:

☐ Construction/Operation

☒ Operation without Additional Construction

3. Classification of application:

☒ New

☐ Substantial Modification

☐ Renewal

☐ Intermediate Modification

☐ Minor Modification

4. Facility name: CEMEX Brooksville South Cement Plant

5. DEP ID number: 40778 County: Hernando

6. Facility location (main entrance): 10311 Cement Plant Road Brooksville, FL 34601

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8380

Northeast District
7825 Baymeadows Way Ste 200B
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky.
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

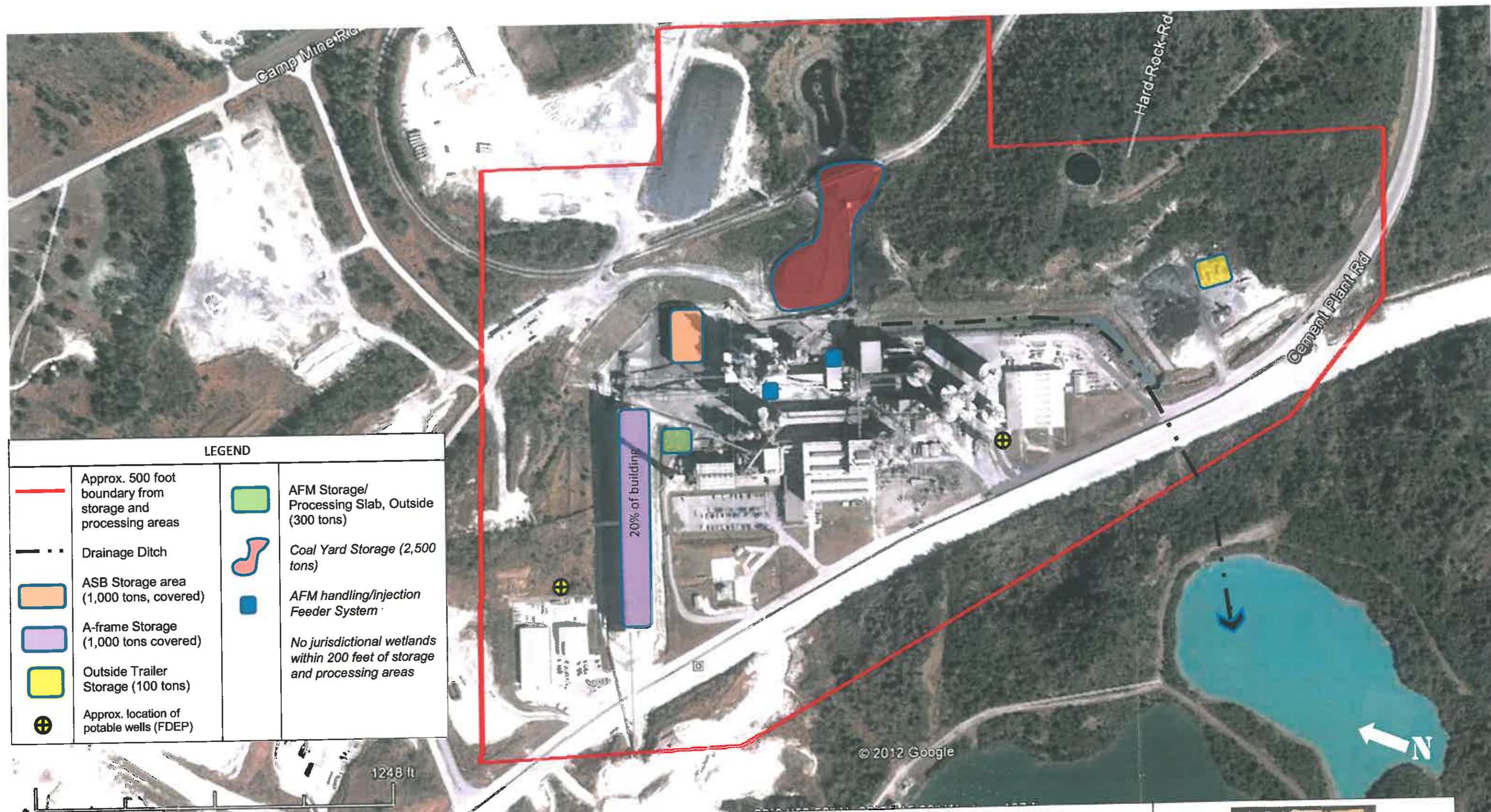
Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6800

2

FIGURE 1

S I T E P L A N





LEGEND			
	Approx. 500 foot boundary from storage and processing areas		AFM Storage/ Processing Slab, Outside (300 tons)
	Drainage Ditch		Coal Yard Storage (2,500 tons)
	ASB Storage area (1,000 tons, covered)		AFM handling/injection Feeder System
	A-frame Storage (1,000 tons covered)	No jurisdictional wetlands within 200 feet of storage and processing areas	
	Outside Trailer Storage (100 tons)		
	Approx. location of potable wells (FDEP)		

Professional Engineer Certification

Maxwell B. Lee, Ph.D., P.E.
 P.E. No. 58091
 Date 3/27/13

Scale 1" = +/- 330'

Aerial Image from Google Earth
 Image Date 01/26/11

Drawing No. 307-12-04

Figure 1 - Site Plan
AFM Storage/Processing Locations
CEMEX Brooksville South-Alternative Fuel Material
Permit Application, 62-701, FAC
Brooksville, Hernando County, FL



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TABLE OF STORAGE CAPACITY

C A L C U L A T I O N S



KDOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

CEMEX Construction Materials Florida, LLC
 Brooksville South Alternative Fuel Material, DEP ID No. 40778

Area	Calculation of Storage Capacity	Storage Use/Tons
ASB Storage Area	$(180' - 6' \text{ length}) * (110' - 6' \text{ width}^2) * 10' \text{ height}^1$ $= 180960 \text{ cu. ft.} * 0.025 = \mathbf{4524 \text{ Tons}}$	1,000 Tons, Covered
A-Frame Storage	$(780' - 6' \text{ length}) * (95' - 6' \text{ width}^2) * 6' \text{ height (max.)}$ $= 413,316 \text{ cu. ft.} * .20 \text{ (area use)} = 82,663 \text{ cu. ft.} * 0.025 = \mathbf{2066 \text{ Tons}}$	1,000 Tons, Covered
Outside Trailer Storage	Walking Floor Trailer = 25 Ton * 4 Trailers	100 Tons
AFM Storage/Processing Slab	$65' \text{ length} * 40' \text{ width} * 8' \text{ height (max.)} =$ $20,800 \text{ cu. ft.} * 0.025 = \mathbf{520 \text{ Tons}}$	300 Tons
Coal Yard Storage	$82,765 \text{ sq. ft} * 10' \text{ height (max.)} = 827,650 \text{ cu ft.}$ $* 0.025 = \mathbf{20,691.25 \text{ Tons}}$	2,500 Tons

Area calculations are approximate, but are equal to or less than actual dimensions.

¹ *Material will be stored maximum of 8' high*

² *Material will be stored at least 6' from the edge of building floor*

4

A-FRAME

PERM.
AND
BORING

R
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KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

February 28, 2013

Coastal Engineering Associates, Inc.
966 Candlelight Boulevard
Brooksville, FL 34601
(352) 796-9423
(352) 799-8359 fax

Attn: Joe Calamari
jcalamari@coastal-engineering.com
(352) 279-1022

Subject: Permeability Tests & Auger Borings
Proposed Bio-Mass Storage Facility
10206 Cobb Road
Brooksville, Hernando County, Florida
CTL Project No. 1381056.100

Dear Mr. Calamari:

Central Testing Laboratory (CTL) has completed the requested testing services for the referenced project site. The auger borings were performed in general accordance with the applicable ASTM standard procedures. A copy of this procedure is attached for your review. Boring AB-1 was advanced with a hand auger. Due to the stiffness of the clay soils and encountered limestone materials, a truck mounted drill rig was mobilized to perform auger boring AB-2, AB-3 and AB-4.

The auger borings and field permeability tests were performed within the footprint of the proposed project. The approximated locations are shown on the attached Figure No. 1.

As requested, CTL has performed two (2) vertical permeability tests and four (4) auger borings at the above referenced site. The permeability test was performed at depths of 12 and 14 inches below the existing ground surface. The soil profiles were obtained from auger borings advanced to depths of between 4.0 and 5.0 feet below existing site grade.

5400 S. Florida Avenue
Inverness, FL 34450
(352) 726-6447

130 Satellite Ct.
Leesburg, FL 34748
(352) 787-1268

Sumter County
(352) 793-3110

1725 SW 17th Street
Ocala, FL 34474
(352) 622-1186



The field vertical permeability tests were performed at locations shown on Figure No. 1. The resulting measured permeability is included in the following table. The permeability test standpipe was filled with water and after 30 minutes the water level did not move. This is an indication that the soils being tested are generally considered impervious.

LOCATION	VERTICAL PERMEABILITY (ft/day)	DEPTH OF PERMEABILITY TEST (in)
P-1	None - Impervious	12
P-2	None - Impervious	14

CTL appreciates this opportunity to provide these services for you and looks forward to working with you on the next phase of your project. Should you have any questions regarding this report, please contact our Inverness office at (352) 726-6447, by fax at (352) 726-6385 or by e-mail at inverness@ctfl.com.

Respectfully submitted,
Central Testing Laboratory



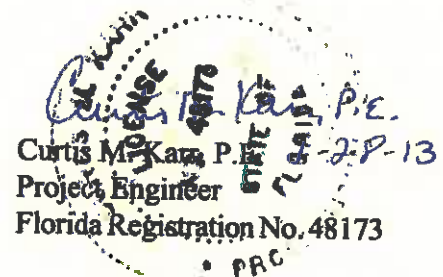
Terry D. Bland
Branch Manager



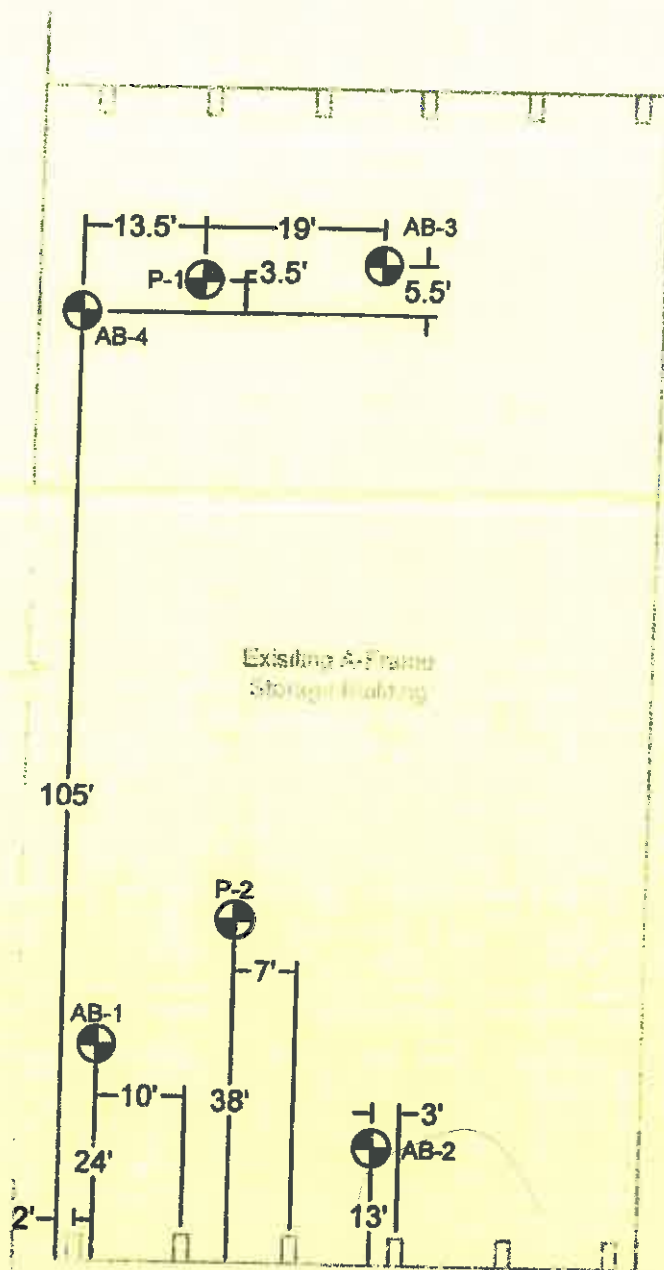
Jordan P. Bjorn
Staff Engineer



cc: File

CMK/tap



Curtis M. Kama, P.E.
Project Engineer
Florida Registration No. 48173
• PRC



 Auger Boring
 Permeability

Not to Scale



**Central Testing Laboratory
Engineering & Materials**

5400 South Florida Avenue
Inverness, FL 34450

Subsurface Soil Exploration
TEST LOCATIONS
Bio-Mass Storage Facility
10206 Cobb Road
Brooksville, FL 34601

Drawn by: JPB
Checked by: TDB

CTL Project No.: 1381056.200

Coastal Engineering Associates, Inc.
966 Candlelight Blvd
Brooksville, FL 34601

Figure No. 1

BORING LOG

BORING NO. AB-1

PROJECT: Bio-Mass Storage Facility, 10206 Cobb Road, Brooksville

DATE: 2-25-13

BORING LOCATION: see Figure No. 2

ELEVATION: N/A

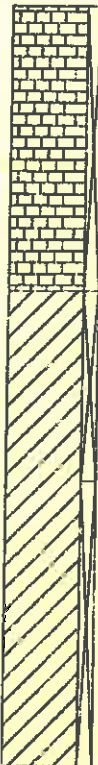
BORING METHOD: ASTM D-4700

DRILLER: JB

CTL PROJECT No.: 1381056.200

CLIENT: Coastal Engineering Associates, Inc.

DEPTH TO - Water: N/E

ELEVATION/ DEPTH (FT)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	(new title)	
			TEST RESULTS	
			PLASTIC LIMIT — LIQUID LIMIT	
			PERCENT PASSING # 200 ●	
			MOISTURE % *	
			HC-VALUE	
			10 20 30 40	
0		Very Pale Brown Weathered Limestone 10yr 7/3		
1				
2		Pale Brown Sandy Clay w/Limestone Fragments 10yr 6/3 (CL)		
3		Light Yellowish Brown Sandy Clay w/Limestone Fragments 10yr 6/4 (CL)		
4		Terminated due to rock.		
5				
6				
7				

Notes:

BORING LOG

BORING NO. AB-2

PROJECT: Bio-Mass Storage Facility, 10206 Cobb Road, Brooksville

BORING LOCATION: see Figure No. 2

BORING METHOD: ASTM D-4700

DRILLER: JB

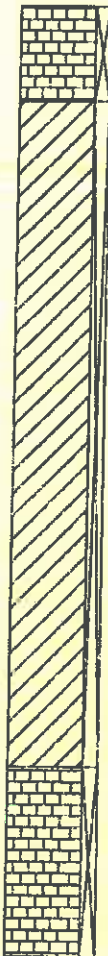
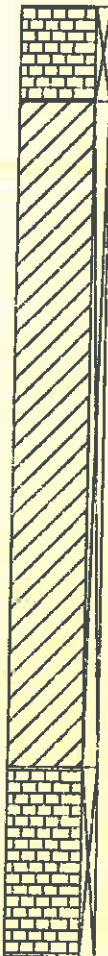
CTL PROJECT No.: 1381056.200

CLIENT: Coastal Engineering Associates, Inc.

DEPTH TO - Water: N/E

DATE: 2-26-13

ELEVATION: N/A

ELEVATION/ DEPTH (FT)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	(new title)			
			TEST RESULTS			
			PLASTIC LIMIT	LIQUID LIMIT	PERCENT PASSING # 200	MOISTURE %
			HC-VALUE			
0		Very Pale Brown Weathered Limestone 10yr 7/4				
1		Brown Sandy Clay w/Limestone Fragments 10yr 4/3 (CL)				
2						
3						
4		Very Pale Brown Weathered Limestone 10yr 7/3				
5						
6						
7						


Notes:

BORING LOG

BORING NO. AB-3

PROJECT: Bio-Mass Storage Facility, 10206 Cobb Road, Brooksville
 BORING LOCATION: see Figure No. 2
 BORING METHOD: ASTM D-4700 DRILLER: JB
 CLIENT: Coastal Engineering Associates, Inc.
 DEPTH TO - Water: N/E

DATE: 2-26-13
 ELEVATION: N/A
 CTL PROJECT No.: 1381056.200

ELEVATION/ DEPTH (FT)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	(new title) TEST RESULTS PLASTIC LIMIT — LIQUID LIMIT PERCENT PASSING # 200 ● MOISTURE % * HC-VALUE
<div> 0 1 2 3 4 5 6 7 </div>		<p>Pale Brown Sandy Clay w/Limestone Fragments 10yr 3/3 (CL)</p> <p>White Weathered Limestone 10yr 8/1</p>	<div>10 20 30 40</div>

Notes:

BORING LOG

BORING NO. AB-4

PROJECT: Bio-Mass Storage Facility, 10206 Cobb Road, Brooksville
 BORING LOCATION: see Figure No. 2
 BORING METHOD: ASTM D-4700
 CLIENT: Coastal Engineering Associates, Inc.
 DEPTH TO - Water: N/E

DATE: 2-26-13
 ELEVATION: N/A
 CTL PROJECT No.: 1381056.200

ELEVATION/ DEPTH (FT)	SOIL SYMBOLS SAMPLER SYMBOLS AND FIELD TEST DATA	FIELD CLASSIFICATION	(new title)	
			TEST RESULTS	
			PLASTIC LIMIT — LIQUID LIMIT	
			PERCENT PASSING # 200 ●	
			MOISTURE % +	
			HC-VALUE	
			10 20 30 40	
0		Light Yellowish Brown Sandy Clay Mixed w/Limestone 10yr 6/4 (CL)		
1		Very Pale Brown Weathered Limestone 10yr 8/2		
2		Yellowish Brown Sandy Clay Mixed w/Limestone 10yr 5/4 (CL)		
3				
4				
5		Terminated due to hard rock.		
6				
7				

Notes:

KEY TO SYMBOLS

Symbol Description

Strata symbols



LIMESTONE



INORGANIC CLAYS
MEDIUM PLASTICITY

Soil Samplers



Bulk sample taken
from 6 in. auger

Notes:

1. ELEVATIONS REPORTED ON LOGS PROVIDED BY CLIENT.
2. THESE LOGS ARE SUBJECT TO THE LIMITATIONS, CONCLUSIONS, AND RECOMMENDATIONS IN THIS REPORT. DUE TO POSSIBLE VARIANCES IN THE SUBSURFACE BETWEEN THE LOCATIONS OF THE BORINGS, AND THE VARYING DEGREE OF DISTURBANCE, THE DESCRIPTIONS GIVEN ARE GOOD ONLY FOR THE MATERIALS REMOVED DURING THE CONSTRICTION OF EACH BORING.
3. RELATIVE DENSITY (sand-silt)

VERY LOOSE - Less than 4 blows/ft.	LOOSE - 4 to 10 blows/ft.
MEDIUM - 10 to 30 blows/ft.	DENSE - 30 to 50 blows/ft.
VERY DENSE - More than 50 blows/ft.	
4. CONSISTENCY (clay)

VERY SOFT - Less than 2 blows/ft.	SOFT - 2 to 4 blows/ft.
MEDIUM - 4 to 8 blows/ft.	STIFF - 8 to 15 blows/ft.
VERY STIFF - 15 to 30 blows/ft.	
HARD - More than 30 blows/ft.	
5. COLORS ARE DETERMINED BY USING THE MUNSELL SOIL COLOR CHART AND THE VALUES ARE GIVEN IN CODE SUCH AS 10YR 3/4.
6. L.O.I. - LOSS OF ORGANICS UPON IGNITION - ORGANIC CONTENT.

CENTRAL TESTING LABORATORY

ENGINEERING - MATERIALS TESTING - QUALITY CONTROL

INVERNESS - LEESBURG - OCALA



STANDARD GUIDE FOR SOIL SAMPLING FROM THE VADOSE ZONE ASTM D 4700

Sampling vadose zone soil involves inserting into the ground a device that retains and recovers a sample. Devices and systems for vadose zone sampling are divided into two general groups, namely the following: samplers used in conjunction with hand operated devices; and samplers used in conjunction with multipurpose or auger drill rigs. Vadose zone sampling is useful for a variety of reasons including the following; stratigraphic description, hydraulic conductivity testing, moisture content measurement, moisture release curve construction, geotechnical testing, soil gas analyses, microorganism extraction, or pore liquid and soil chemical analyses. Depths of investigations are limited by groundwater conditions, soil characteristics and the equipment used.

Sampling with Hand Operated Devices - Barrel augers used include the following: regular barrel auger, stainless steel barrel auger and post-hole barrel auger. The auger is rotated to advance the barrel into the ground. The operator may have to apply downward pressure to keep the auger advancing. When the barrel is full, the unit is withdrawn from the soil cavity and a sample may be collected from the barrel.

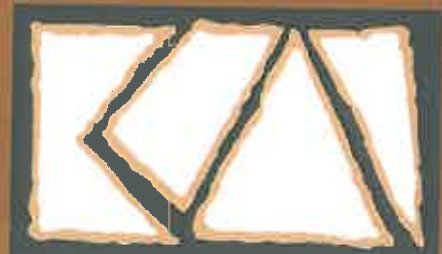
Sampling with Multipurpose and Auger Drill Rigs - Multipurpose and auger drill rigs are generally equipped with rotary power and vertical feed control to advance both hollow-stem augers and continuous flight (solid stem) augers. Sampling is accomplished by rotating the auger column into the soil, retaining the cuttings on the flights. Samples from solid stem augers are termed disturbed and are not suitable for analyses requiring undisturbed samples, such as hydraulic conductivity tests. When representative samples from discrete depths are desired, the borehole should be made large enough to insert a smaller diameter auger or another sampler (for example, a thin-walled tube) to the bottom of the borehole, without touching the sides of the borehole, to collect a discrete sample from the interval ahead. Hollow-stem augers may be used to advance a borehole to a desired sampling depth. Sampling is done by inserting the sampler through the hollow stem of the auger column. The drilling rig operated by Central Testing Laboratory is equipped with four (4) inch solid stem flight augers and six (6) inch hollow-stem flight augers.

MEMBER OF THE AMERICAN SOCIETY FOR TESTING AND MATERIALS

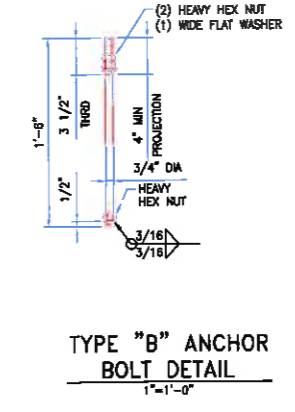
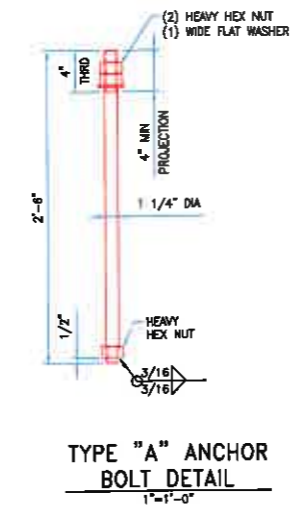
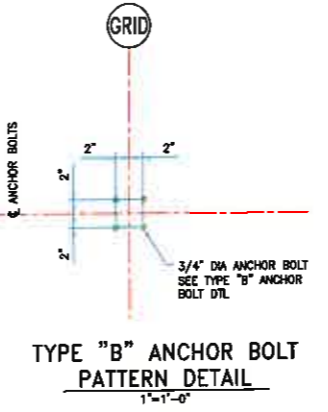
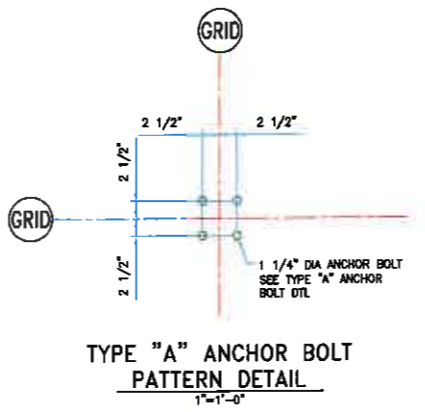
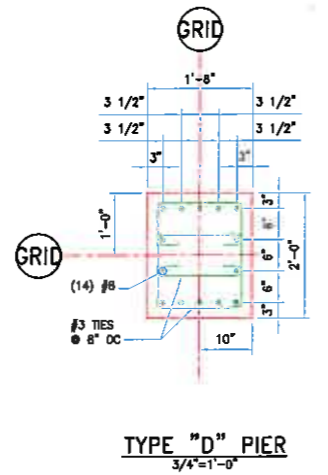
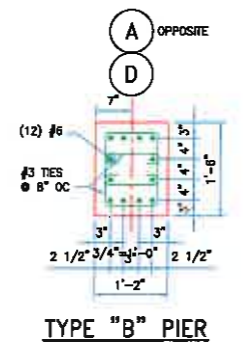
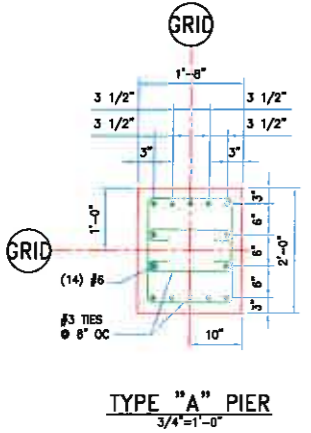
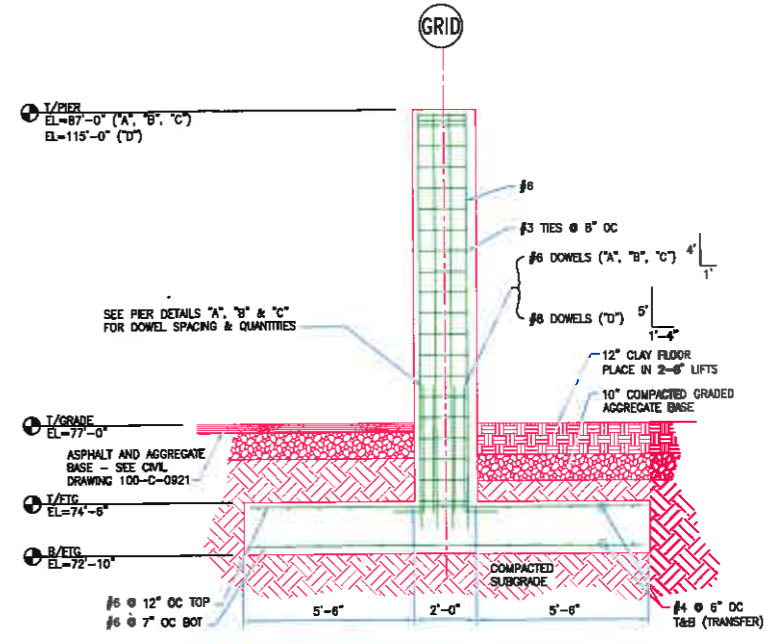
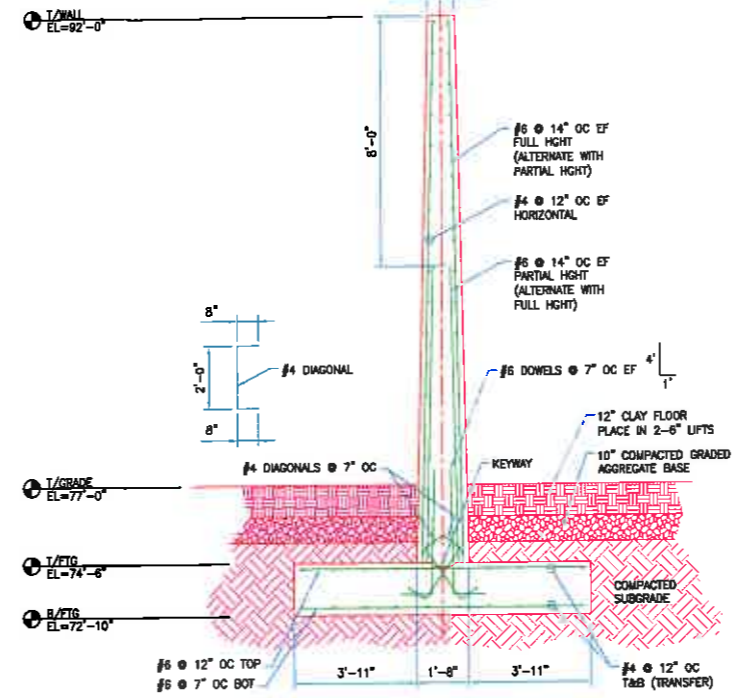
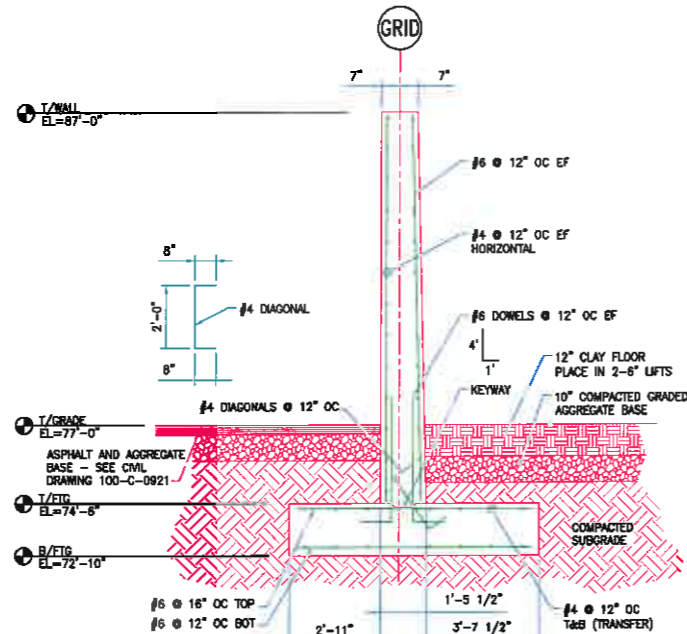
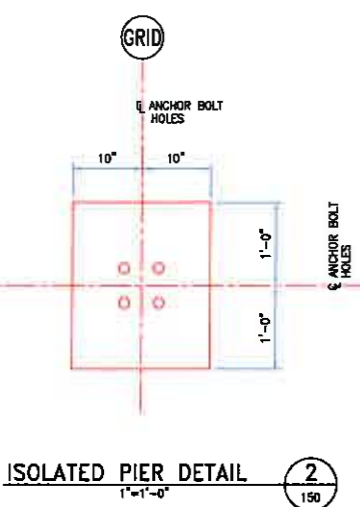
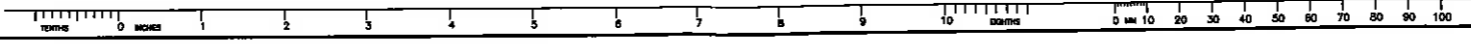
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BUILDING

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KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES



HERNANDO COUNTY
DEVELOPMENT DEPARTMENT

REV	D/M/Y	DESCRIPTION	DRN	CHK	APP	DCB	BGM	ISS	D/M/Y	APP	ISSUED FOR	REF	NUMBER	TITLE
2	14SEP07	ADDED CALLOUT FOR CLAY FLOOR	CLF	MR	CLF	DCB	BGM	2	14SEP07	CLF	CONSTRUCTION			
1	12SEP07	FOOTING ELEVATION REVISED TO MATCH GRADES SHOWN ON CIVIL DRAWING AND AS-BUILT CONDITIONS	CLF	MR	CLF	DCB	BGM	1	12SEP07	CLF	CONSTRUCTION			

PROPRIETARY INFORMATION:
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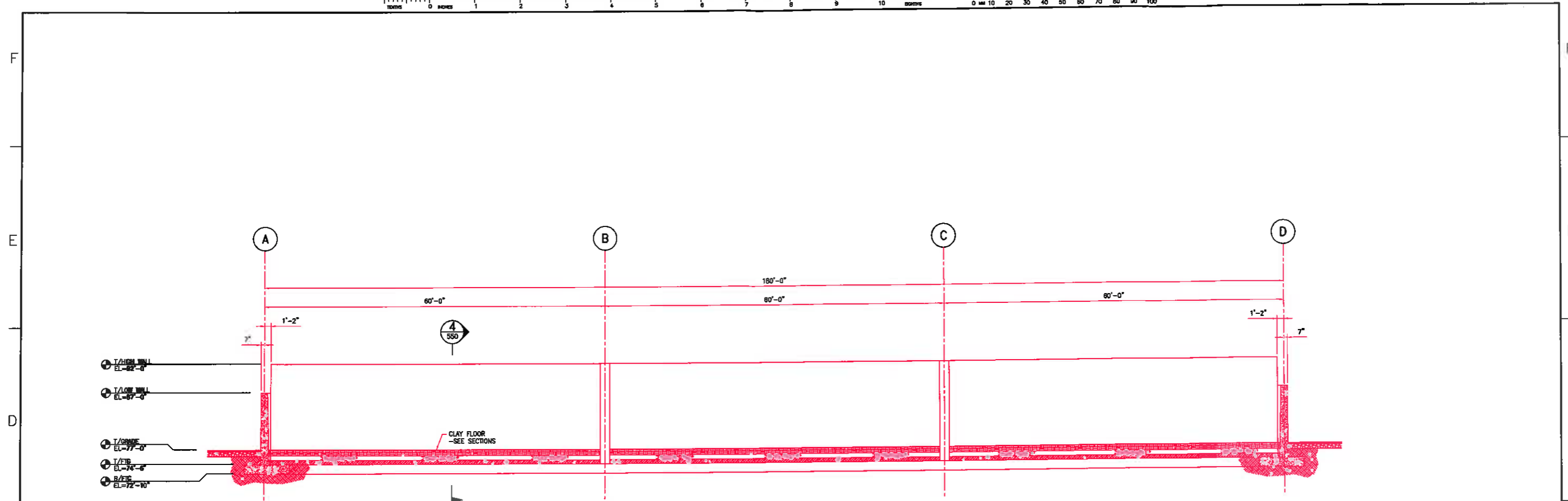
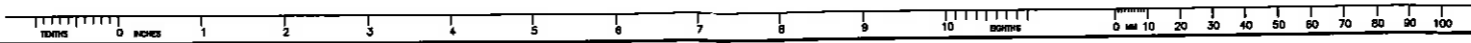
STAMP/SEAL
NAME
DANIEL C. BLACKMON
REGISTRATION NO.
64519

APPROVED FOR CONSTRUCTION			
M. ALLER	DCB	BGM	
CLIENT PROJECT MGR. DEPARTMENT MGR. PROJECT MGR.			
PROJECT PHASE			
PROJECT NO.	ACTIVITY NO.	PACKAGE CODE	
151728			
SCALE	DSN.	AP/KH	D/M/Y
AS NOTED	DRN.	SES	07MAR07

FLORIDA CRUSHED STONE COMPANY BROOKVILLE, FLORIDA	
AREA 141	ADDITIVES STORAGE BLDG
SUBJECT STRUCTURAL DETAILS	

AMEC 400 EXECUTIVE CENTER DR. GREENVILLE, SOUTH CAROLINA USA 29615	
AUTHORIZATION NO.: F98000004808	
CLIENT DWG. NO.	
DRAWING NO. 141-S-0550	REV. 2

CADD FILE ADDRESS
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BUILDING
FOOTING ELEVATION
1/8"=1'-0" (1/150)

NOTES:
1. THE HORIZONTAL #4 REBAR @ EA FACE SHALL BE CONTINUOUS THRU COLUMNS

HERNANDO COUNTY
DEVELOPMENT DEPARTMENT

REV	D/M/Y	DESCRIPTION	DRN	CHK	APP	APP	APP	APP	ISS	D/M/Y	APP	ISSUED FOR	REFERENCES	TITLE
2	14SEP07	ADDED CALLOUT FOR CLAY FLOOR								2	14SEP07	CLF	CONSTRUCTION	
1	12SEP07	FOOTING ELEVATION REVISED TO MATCH GRADES SHOWN ON CML DRAWING AND AS-BUILT CONDITIONS								1	12SEP07	CLF	CONSTRUCTION	
0	01MAR07									0	01MAR07	JHM	CONSTRUCTION	

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STAMP/SEAL
NAME
DANIEL G. BLACKMON
REGISTRATION NO.
64519

APPROVED FOR CONSTRUCTION			
M. ALLER	DCB	BGM	
CLIENT PROJECT MGR.	DEPARTMENT MGR.	PROJECT MGR.	
PROJECT PHASE			
PROJECT NO.	ACTIVITY NO.	PACKAGE CODE	
151728			
SCALE	BY	D/M/Y	
1/8"=1'-0"	DSN. AP/GH		
	DRNL. SES	01MAR07	

FLORIDA CRUSHED STONE COMPANY BROOKSVILLE, FLORIDA	
AREA 141	ADDITIVES STORAGE BLDG
SUBJECT STRUCTURAL ELEVATION	

AMEC 400 EXECUTIVE CENTER DR. GREENVILLE, SOUTH CAROLINA USA 29615	
AMERICAN amc	
AUTHORIZATION NO.: F99000004806	
CLIENT DWG. NO.	
DRAWING NO. 141-S-0151	REV. 2

6

BOUNDARY

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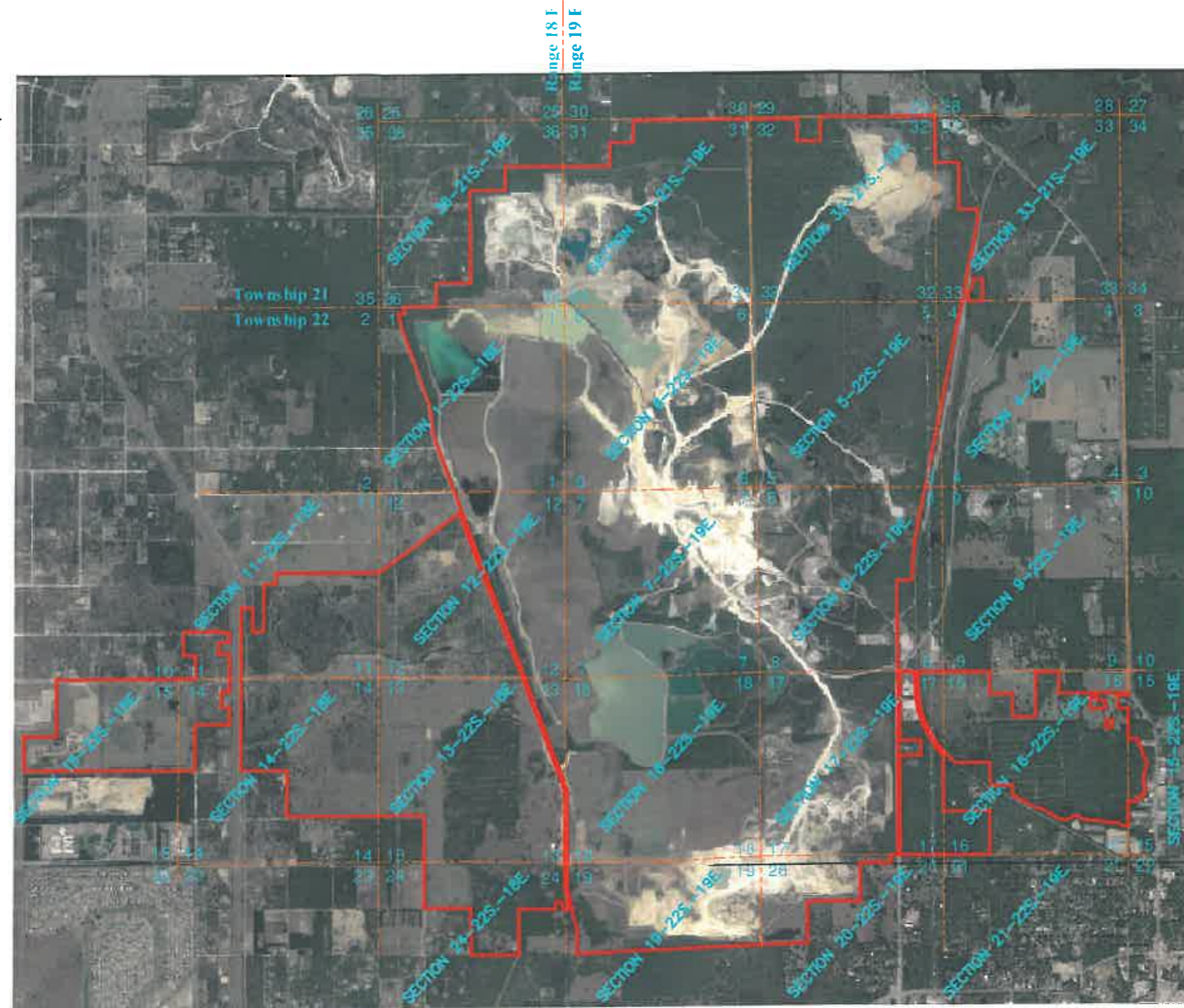
KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

**Specific Purpose Survey
For Gregg Mine**

Section 36, Township 21 South, Range 18 East
 Section 31, 32, 33, Township 21 South, Range 19 East
 Section 1, 11, 12-15, 24, Township 22 South, Range 18 East
 Section 4-8, 15-20, Township 22 South, Range 19 East
 Hernando County, Florida



Scale: 1" = 3500'



Specific Purpose Survey

PREPARED FOR:

Gregg Mine

PROJECT NO.: 20040010
 PHASE: 116

SURVTECH SOLUTIONS, INC. SURVEYORS AND MAPPERS
 10220 U.S. Highway 92 East, Tampa, FL 33610
 phone: (813)-621-4929, fax: (813)-621-7194, Licensed Business #7340
 email: sbrown@survtechsolutions.com <http://www.survtechsolutions.com>



*Specific Purpose Survey
For Gregg Mine
Section 36, Township 21 South, Range 18 East
Section 31, 32, 33, Township 21 South, Range 19 East
Section 1, 11, 12 -15 , 24, Township 22 South, Range 18 East
Section 4-8, 15-20, Township 22 South, Range 19 East
Hernando County, Florida*

Legal Description

Apparent Title Vested in:
Florida Crushed Stone, Rinker Materials Corporation, Rinker Materials S of Florida Inc., Camp Phosphate Company, & Brooksville Rock Company, Inc. by Warranty Deeds, Quit Claim Deeds and Tax Deeds.

Recorded in Folio Number R36-421-18-0000-0080-0000 Deed Book 82, Page 147, Deed Book 84, Page 283, Deed Book 87, Page 359, O.R. Book 7, Page 372, O.R. Book 84, Page 24, O.R. Book 304, Page 284, O.R. Book 478, Page 1760, Folio Number R01-422-18-0000-0020-0000 Deed Book 75, Page 366, Deed Book 80, Page 349, Deed Book 82, Page 63, Deed Book 83, Page 549, Deed Book 84, Page 283, Deed Book 87, Page 448, Deed Book 92, Page 403, Deed Book 120, Page 166, O.R. Book 7, Page 372, O.R. Book 8, Page 69, O.R. Book 290, Page 465, O.R. Book 303, Page 178, O.R. Book 304, Page 284, O.R. Book 551, Page 1021, Folio Number R17-422-19-0000-0010-0000 O.R. Book 9, Page 414, O.R. Book 114, Page 109, O.R. Book 173, Page 454, O.R. Book 184, Page 504, O.R. Book 255, Page 788, Q.R. Book 331, Page 432, O.R. Book 331, Page 775, O.R. Book 946, Page 614, Folio Number R04-422-19-0000-0100-0000 Deed Book 80, Page 516, O.R. Book 6, Page 126, Q.R. Book 18, Page 325, Folio Number R33-421-19-0000-0160-0000 Deed Book 74, Page 105, Deed Book 116, Page 523, O.11, Book 6, Page 126, O.R. Book 17, Page 572, O.R. Book 24, Page 308, Folio Number R18-422-19-0000-0010-0000 Deed Book 80, Page 323, Deed Book 82, Page 99, Deed Book 82, Page 147, Deed Book 84, Page 283, Deed Book 87, Page 448, O.R. Book 8, Page 545, O.R. Book 18, Page 543, O.R. Book 27, Page 423, O.R. Book 144, Page 32, Folio Number R08-422-19-0000-0050-0000 Deed Book 74, Page 40, Deed Book 74, Page 41, Deed Book 74, Page 42, Deed Book 74, Page 118, Deed Book 74, Page 43, Deed Book 74, Page 47, Deed Book 74, Page 45, Deed Book 74, Page 105, Deed Book 74, Page 107, Deed Book 74, Page 118, Deed Book 74, Page 132, Deed Book 74, Page 158, Deed Book 74, Page 226, Deed Book 80, Page 510, Deed Book 87, Page 359, Deed Book 116, Page 422, O.R. Book 6, Page 124, O.R. 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Book 23, Page 257, Folio Number R08-222-19-1550-0010-0010 Deed Book 74, Page 113, Deed Book 74, Page 158, Deed Book 96, Page 544, Deed Book 114, Page 19, Deed Book 116, Page 422, O.R. Book 33, Page 344, O.R. Book 33, Page 346, O.R. Book 45, Page 639, R12-422-18-0000-0020-0000 Deed Book 80, Page 323, Deed Book 82, Page 63, Deed Book 84, Page 50, Folio Number R32-421-19-0000-0010-0000 Deed Book 82, Page 99, Deed Book 84, Page 283, Deed Book 87, Page 359, Deed Book 91, Page 243, Deed Book 91, Page 244, Deed Book 96, Page 285, Deed Book 108, Page 180, Deed Book 116, Page 424, Deed Book 116, Page 523, Deed Book 122, Page 292, O.R. Book 7, Page 74, O.R. Book 15, Page 335, O.R. Book 16, Page 73, O.R. Book 16, Page 103, O.R. Book 133, Page 694, O.R. Book 746 Page 1891, O.R. Book 760, Page 745, Folio Number R06-421-19-0000-0030-0010 O.R. 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The above descriptions being the same land described in a Title Report prepared by Johnston & Sasser PA, File Number: 40-2007-98, bearing an effective date of: February 9, 2007 at 11:00 PM.

Specific Purpose Survey

PREPARED FOR:
Gregg Mine

PROJECT NO.: 20040010
PHASE: 116

SURVTECH SOLUTIONS, INC. SURVEYORS AND MAPPERS

10220 U.S. Highway 92 East, Tampa, FL 33610

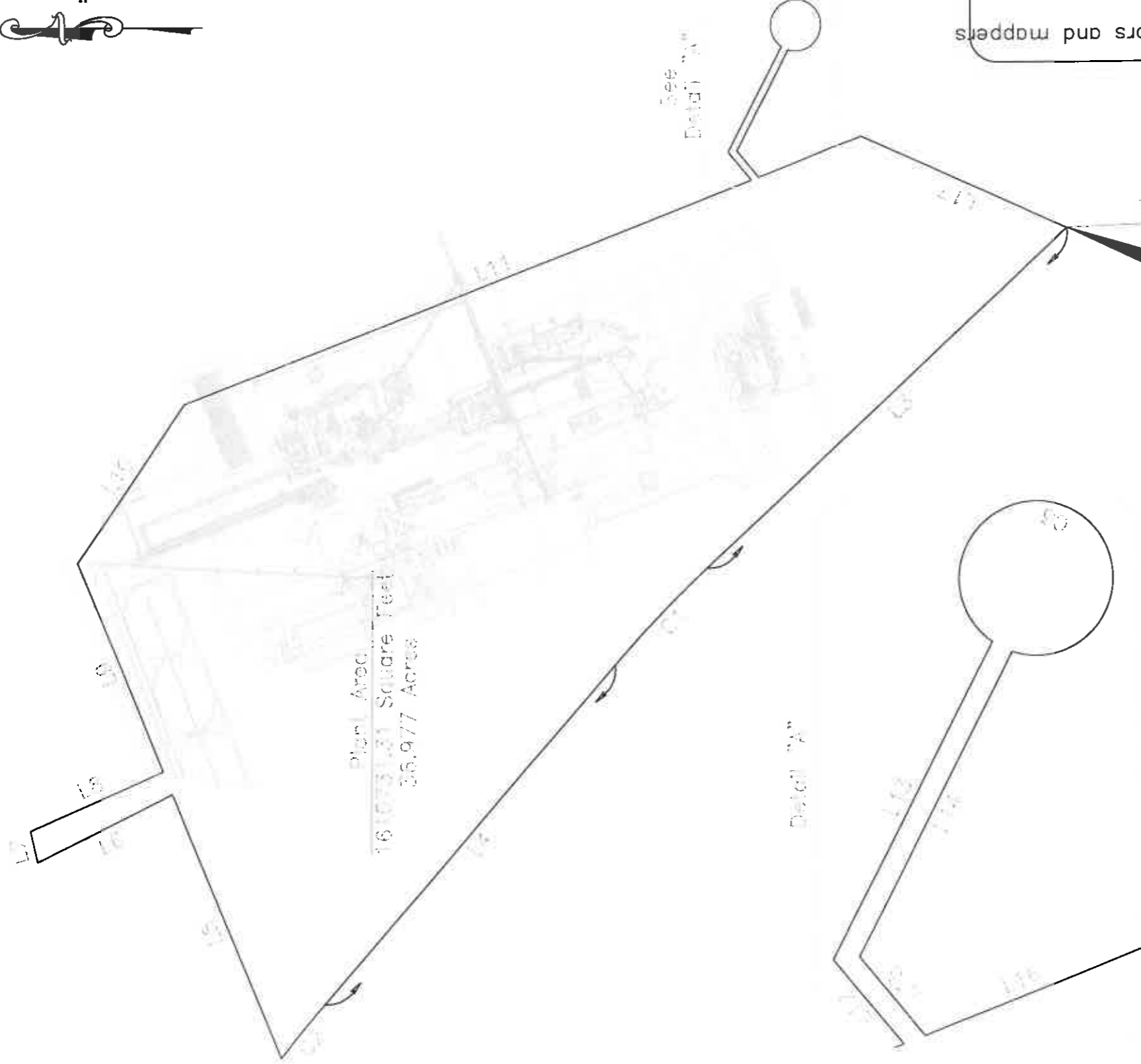
phone: (813)-621-4929, fax: (813)-621-7194, Licensed Business #7340

email: sbrown@survtechsolutions.com http://www.survtechsolutions.com



OVERALL PLANT SITE PARCEL - SKETCH
(AS SUPPLIED TO SURVTECH)

Scale: 1" = 300'



Survtech solutions, Inc.
10220 U.S. Highway 92 East, Tampa, FL 33610
phone: (813)-621-4929, fax: (813)-621-7194, Licensed Business #7340
email: dobrien@survtechsolutions.com <http://www.survtechsolutions.com>
surveyors and mappers

Line Information:

LINE	BEARING	DISTANCE
L1	S 87°56'56" W	4004.00'
L2	N 02°03'04" W	348.41'
L3	N 43°03'15" W	1007.56'
L4	N 49°31'35" W	905.17'
L5	N 67°23'09" E	582.23'
L6	N 26°42'30" W	305.38'
L7	N 76°10'04" E	64.90'
L8	S 24°06'16" E	294.79'
L9	N 67°23'09" E	459.50'
L10	S 56°19'47" E	389.17'
L11	S 21°22'46" E	1243.89'
L12	N 50°34'13" E	74.39'
L13	S 63°20'36" E	240.64'
L14	N 63°20'36" W	230.88'
L15	S 50°34'13" W	69.52'
L16	S 21°22'46" E	226.43'
L17	S 24°23'29" W	462.12'

Point of Beginning

South Boundary of
Section 8-22S.-19E.

Point of Commencement
Found Railroad Spike
Southeast Corner of
Section 8-22S.-19E.

Curve Information:

CURVE	RADIUS	ARC LENGTH	CHORD LENGTH	CHORD BEARING	DELTA ANGLE	TANGENT
C1	2412.65'	272.54'	272.39'	N 46°17'25" W	06°28'20"	136.41'
C2	2856.04'	140.79'	140.72'	N 50°56'17" W	02°49'25"	70.33'
C3	52.50'	314.82'	15.00'	S 26°59'24" W	343°34'25"	N/A

OVERALL PLANT SITE PARCEL - DESCRIPTION

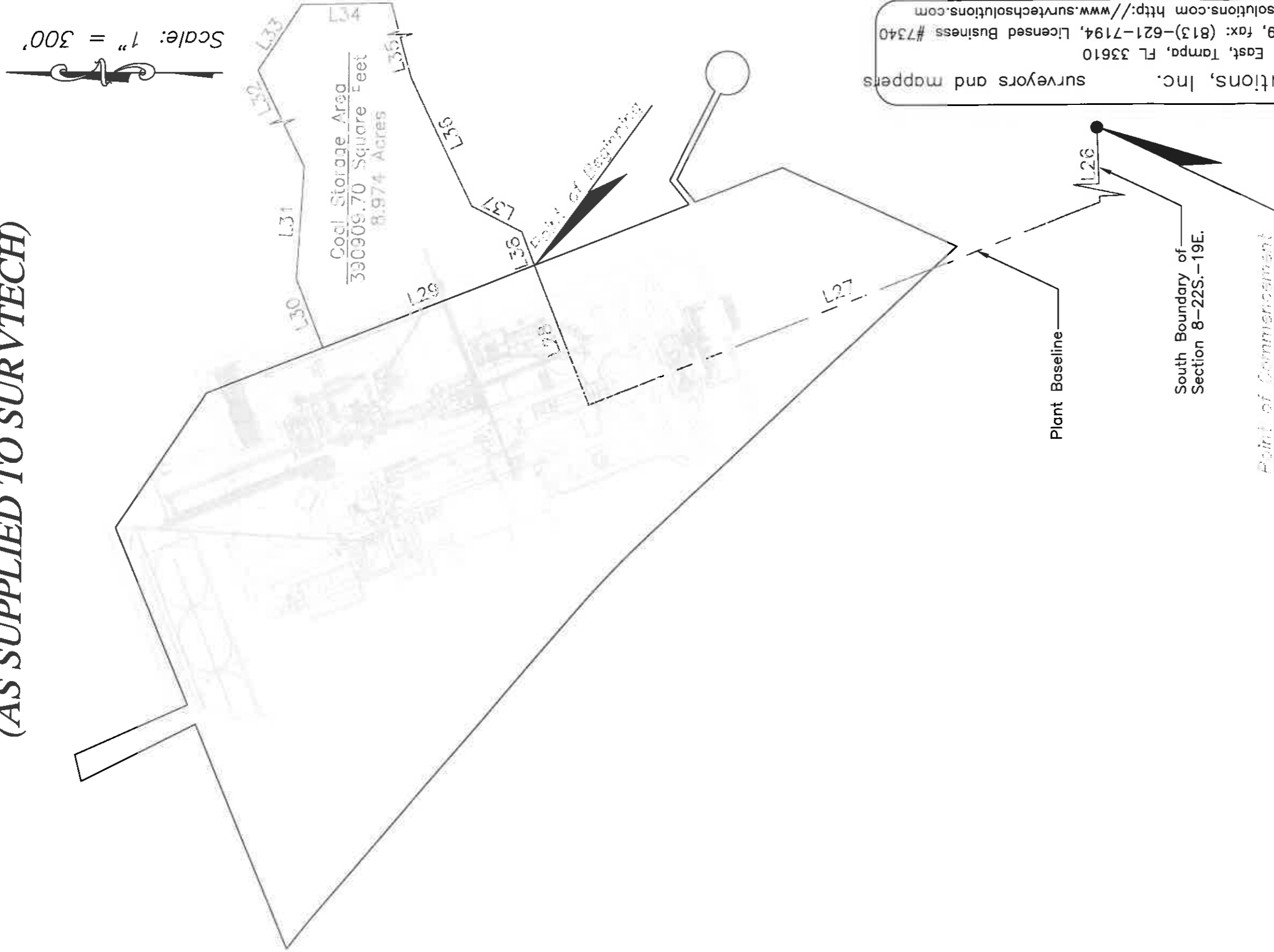
(AS SUPPLIED TO SURVTECH)

Overall Plant Site (As Supplied to Surveyor)

A parcel of land located in Sections 7 and 8, Township 22 South, Range 19 East, Hernando County, Florida, described as follows: Commence at the southeast corner of said Section 8, a railroad spike in the centerline of Yontz Road; thence run south 87°56'56" west, along the south line of said Section 8, a distance of 4004.00 feet; thence run north 02°03'04" west, a distance of 348.41 feet to the POINT OF BEGINNING; thence run north 43°03'15" west, a distance of 1007.56 feet to a point on a curve concave to the southwest containing the following elements: a delta of 06°28'20"; a radius of 2412.65 feet; a tangent of 136.41 feet; a chord bearing of north 46°17'25" west, and a chord distance of 272.39 feet; thence run along the arc of said curve, a distance of 272.54 feet; thence run north 49°31'35" west, a distance of 905.17 feet to a point on a curve concave to the southwest containing the following elements: a delta of 02°49'25"; a radius of 2856.04 feet; a tangent of 70.33 feet; a chord bearing of north 50°56'17" west, and a chord distance of 140.72 feet; thence run along the arc of said curve, a distance of 140.79 feet; thence run north 67°23'09" east; a distance of 582.23 feet; thence run north 26°42'30" west, a distance of 305.38 feet; thence run north 76°10'04" east, a distance of 64.90 feet; thence run south 24°06'16" east, a distance of 294.79 feet; thence run north 67°23'09" east, a distance of 459.50 feet; thence run south 56°19'47" east, a distance of 389.17 feet; thence run south 21°22'46" east, a distance of 1243.89 feet; thence run north 50°34'13" east, a distance of 74.39 feet; thence run south 63°20'36" east, a distance of 240.64 feet to a point on a curve containing the following elements: a delta of 343°34'25"; a radius of 52.50 feet; a chord bearing of south 26°59'24" west, and a chord distance of 15.00 feet; thence run along the arc of said curve, a distance of 314.82 feet; thence run north 63°20'36" west, a distance of 230.88 feet; thence run south 50°34'13" west, a distance of 69.52 feet; thence run south 21°22'46" east, a distance of 226.43 feet; thence run south 24°23'29" west, a distance of 462.12 feet to the Point of Beginning;

Surveyors and mappers
Survtech solutions, Inc.
10220 U.S. Highway 92 East, Tampa, FL 33610
phone: (813)-621-4929, fax: (813)-621-7194, Licensed Business #7340
email: dobrien@survtechsolutions.com <http://www.survtechsolutions.com>

COAL STORAGE/HANDLING AREA PARCEL - SKETCH
(AS SUPPLIED TO SURVTECH)



Line Information:

LINE	BEARING	DISTANCE
L26	S 87°56'56" W	3912.40'
L27	N 21°22'46" W	1322.26'
L28	N 68°37'14" E	360.02'
L29	N 21°22'46" W	546.00'
L30	N 68°37'14" E	178.00'
L31	S 86°25'48" E	269.21'
L32	N 63°58'22" E	469.93'
L33	S 62°27'46" E	216.23'
L34	S 06°42'11" E	245.05'
L35	S 74°23'20" W	445.13'
L36	S 64°28'40" W	340.66'
L37	S 26°57'41" W	136.32'
L38	S 68°37'17" W	86.00'

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email: dobrien@survtechsolutions.com <http://www.survtechsolutions.com>

Point of Commencement
Found Railroad Spike
Southeast Corner of
Section 8-22S.-19E.

Plant Baseline

South Boundary of
Section 8-22S.-19E.

Point of Beginning

Coal Storage Area
390909.70 Square Feet
8.974 Acres

Scale: 1" = 300'

COAL STORAGE/HANDLING AREA -DESCRIPTION (AS SUPPLIED TO SURVTECH)

Coal Storage/Handling Area (As supplied to Survtech)

A parcel of land located in Section 8, Township 22 South, Range 19 East, Hernando County, Florida, described as follows: Commence at the southeast corner of said Section 8, a railroad spike in the centerline of Yontz Road; thence run south 87°56'56" west along the south boundary line of said Section 8, a distance of 3912.40 feet; thence run north 21°22'46" west, along the plant baseline, a distance of 1322.26 feet; thence run north 68°37'14" east, a distance of 360.02 feet to the POINT OF BEGINNING; thence run north 21°22'46" west along a line parallel to said plant baseline, a distance of 546.00 feet; thence run north 68°37'14" east, a distance of 178.00 feet; thence run south 86°25'48" east, a distance of 269.21 feet, to a point on the centerline of the Railroad Spur Track; thence run north 63°58'22" east, a distance of 469.93 feet; thence run south 62°27'46" east, a distance of 216.23 feet; thence run south 06°42'11" east, a distance of 245.05 feet; thence run south 74°23'20" west, a distance of 445.13 feet to a point on the centerline of the Railroad Spur Track; thence run south 64°28'40" west, a distance of 340.66 feet; thence run south 26°57'41" west, a distance of 136.32 feet; thence run south 68°37'14" west, a distance of 86.00 feet to the Point of Beginning;

Survtech solutions, Inc. surveyors and mappers

10220 U.S. Highway 92 East, Tampa, FL 33610

phone: (813)-621-4929, fax: (813)-621-7194, Licensed Business #7340

email: dobrien@survtechsolutions.com <http://www.survtechsolutions.com>

7

CONTINGENCY

PLAN



KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

**CONTINGENCY PLAN
(EMERGENCY PROCEDURES)**

**CEMEX Construction Materials Florida, LLC
Brooksville South Cement Plant
Brooksville, Hernando County, Florida**

**FDEP Alternative Fuel/Material Processing Facility
Renewal of Permit No. 22787-004-SO/31
WACS No. 40778**

Plan Date: December 2012

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1.0 INTRODUCTION

This Contingency Plan (Plan) has been developed in support of the pending permit #22787-004-SO/31 for the CEMEX Brooksville South Cement Plant Alternative Fuel/Material Processing Facility in accordance with Chapters 62-701 and 62-711 F.A.C.

This Plan addresses practical measures to be implemented by CEMEX Construction Materials Florida, LLC at the Brooksville South Cement Plant in the event of an emergency. This Plan shall be kept at the Facility at all times and shall be accessible to Facility operators.

2.0 FACILITY DESCRIPTION

The Brooksville South Cement Plant (Facility) is owned and operated by CEMEX Construction Materials Florida, LLC (CEMEX). The Facility is located at 10311 Cement Plant Road in Brooksville, Hernando County. The entire property owned by CEMEX (Site) occupies approximately 10,000 acres. Most of the land use surrounding the Site is rural agriculture with some residential developments.

Onsite operations include cement manufacturing plant (Plant) and active mining operations that remove limestone, sand and clay. The Plant is situated in an old quarry and includes two dry-process rotary kilns, clinker coolers, finish mills, and numerous blending and storage silos. Mining operations are situated in the western and southern portions of the site. CEMEX mines soft limestone for the cement manufacturing operation and operates a rock crushing operation that processes hard limestone rock for road and building construction materials.

Raw materials used in the production of cement include but are not limited to limerock (calcium carbonate), limestone tailings (calcium carbonate and silica), and other mineral aggregates such as bauxite, power plant ash, mill scale and slag. The Cement Plant consists of Kiln No. 1 (not currently in operation) and Kiln No. 2, which utilize coal, used tires, and a variety of alternative fuel materials as fuel sources to heat the raw materials in a kiln to produce “clinker.” The clinker is ground into a powder and incorporated with gypsum in order to produce cement. The finished cement products are stored in silos from which tanker trucks are load for shipping.

3.0 CONTINGENCY PLAN (EMERGENCY PROCEDURES) [62-701.320(16) F.A.C.]

This Contingency Plan has been developed to provide information on emergency preparedness and response at the Facility. This Plan covers operational interruptions and emergencies such as fires, explosions, and natural disasters.

3.1 Responsible Persons – Emergency Coordinators

Primary Emergency Coordinator

George Townsend – Environmental Manager
(352) 799-7881 – Office; (352) 238-9102 (Mobile)

Secondary Emergency Coordinator

James Daniel – Plant Manager
(352) 799-7881 – Office; (352)

Back-up Emergency Coordinator

Oliver Sohn – Production Manager
(352) 799-7881 – Office; (352)

3.2 Procedures for Notification and Contact Information

The key person responsible for implementing this Contingency Plan is the Primary Emergency Coordinator. In the event that the Primary Emergency Coordinator is unavailable, the Secondary Emergency Coordinator or Back-up Emergency Coordinator (in that order) are the responsible parties to implement this Contingency Plan. The Emergency Coordinators have the complete authority to commit the resources of the Facility in the event of an emergency. If needed, the Emergency Coordinators may summon the assistance of outside organizations to assist with an emergency situation. The protocol for contacting the Emergency Coordinators and their duties are described below.

- Individuals aware of an emergency condition subject to this Contingency Plan should immediately contact their supervisor who, in turn, should contact the Primary Emergency Coordinator. If the Emergency Coordinator is unavailable, one of his alternates should be contacted.
- The Emergency Coordinator or his designee will be responsible for Agency notifications when this Contingency Plan is implemented, where applicable.
- Whenever the Emergency Coordinator is advised of an emergency condition, he will immediately assess the potential hazards to on-site personnel and the potential impacts off-site. Factors to be considered include:
 - the materials involved in the incident;
 - the need for rescues;
 - potential hazards from gases or explosions;
 - surface water run-off from fire control; and,
 - the possibility of heat induced explosions.

Upon assessment, should the Emergency Coordinator determine that the possibility exists for serious danger to plant employees or to the surrounding community, the Emergency Coordinator will coordinate with plant operating personnel to shut down and/or isolate the area or process unit involved. If evacuations of the surrounding area are needed, the Hernando County Sheriff offices/Brooksville Police Department and Brooksville Fire Department will be advised of the situation. They will recommend and coordinate the evacuation of affected citizens in the adjacent community if necessary. A list of Emergency Contacts is provided in Table 1.

3.3 Emergency Procedures and Minimization of Impacts

The primary goal of the emergency response procedures is to eliminate potential harm or threat to Facility employees and the surrounding population. In general, this is accomplished by the following steps:

1. Contact the Emergency Coordinator.
2. Contact the Control Room Operator (CRO) to alert employees, if employees need to go to Rally Points. The CRO will assign a scout to meet emergency services at the Facility entrance if needed.
3. Managers or supervisors will:
 - Conduct a roll call
 - Organize search for any persons missing from roll call.
 - Treat all injured personnel
 - Assess property damage
 - Remain at designated area until released by the Emergency Coordinator
4. Shut down work in the affected area.
5. Shut down feed lines and additional equipment in the area as soon as necessary and practical.
6. Clear the area of all employees not actively involved in managing the contingency Situation.
7. Utilize barrier tape or barricades to prevent entry of unnecessary persons into the area.

3.4 Shut Down Procedures and Notification of Closure

In the event of an emergency, these provisions should be followed for those parts of the facility affected by the emergency:

- Contact the CRO. The CRO will contact the Emergency Coordinator and will notify all personnel, if employees should proceed to the Rally Points.

- Clear the area of all employees not actively involved in assisting with the emergency (e.g. fire-fighting) and direct them to the nearest Rally Point.
- Shut down work in the immediate area of the emergency, where needed.
- Shutdown any feed lines and equipment, as needed
- The Emergency Coordinator will contact neighbors and local/state/federal officials as necessary and applicable to notify them of the potential impacts of the emergency.

3.5 Equipment

The following equipment is available at the Facility to implement this Plan:

- Fire extinguishers are available throughout the Facility.
- Hoses are available in cabinets placed in ER#7, located directly under the #2 kiln main drive area.
- Earth moving equipment for excavating, spreading, compacting, and covering AFM
- Soil stockpile
- Reserve equipment is available at adjacent operations of the CEMEX facility in the event of a breakdown.
- Fire extinguishers are available throughout the Facility.
- Communications devices include a siren warning system, cell phones, and walkie-talkies.

3.6 Fire Protection and Fire Fighting Capabilities

In the case of a fire within an AFM pile at the Facility, all reasonable efforts shall be made to immediately extinguish or control the fire. If the fire cannot be extinguished or controlled within an hour, the Environmental Coordinator shall immediately implement this contingency plan.

3.6.1 Unplanned Ignition of AFM Materials Including Stored Tires in Trailers or Inside Tire Feed Equipment:

- Contact the CRO. The CRO will contact the Emergency Coordinator and the Production Supervisor. In addition, the Control Room Attendant will sound the alarms, if employees should proceed to the Rally Points.
- Clear the affected area of all employees and contractors and account for persons known to have been involved in the operations.
- Shut down work in the immediate area of the emergency.
- Shutdown any feed lines and equipment as needed.
- Using the stored material pile, the plant loader operator will build a containment berm around the area of fire to make sure water and burnt material is not allowed to enter the storm water ditches.
- Focus firefighting techniques on the concept of the "Fire Triangle". Specifically, eliminate/minimize fuel to the fire, reduce temperatures, and lower oxygen concentrations, where possible and practical.
- Establish fire watch.
- Remember, to extinguish a fire you must interrupt one or more of the essential elements of the fire triangle. You must reduce the temperature, eliminate the fuel, or

eliminate the oxygen.

- The Emergency Coordinator will promptly notify all appropriate agencies of the Incident.
- If the fire cannot be extinguished or controlled within 48 hours, the Emergency Coordinator shall notify the local fire protection agency and seek its assistance, and shall also notify the local government and any neighbors likely to be affected by the fire.

TABLE 1 - EMERGENCY CONTACT INFORMATION

Agency	Contact Information	Action
For <i>ALL</i> Emergencies	911	Contact in cases of <i>all</i> emergency situations.
George Townsend – Environmental Manager & Primary Emergency Coordinator	(352) 799-7881 – Office (352) 238-9102 - Mobile	Contact in cases of <i>all</i> emergency situations (fire, natural disaster, serious injury, etc.).
Florida Department of Environmental Protection SW District – Waste Management Section	Steve Morgan 13051 North Telecom Pkwy Temple Terrace, FL 33637 (813) 632-7600 x385	Contact in cases of fires or other emergencies that pose unanticipated threat to the public health or the environment.
Brooksville Fire Department	85 Veterans Ave. Brooksville, FL 34601 (352) 540-3840	Contact in cases of fire emergencies.
Hernando County Sheriff's Office	18900 Cortez Blvd Brooksville, FL 34601 (352) 754-6830	Contact in case of emergency.
Brooksville Police Department	87 Veterans Ave. Brooksville, FL 34601 (352) 754-6800	Contact in case of emergency.
Brooksville Regional Hospital	17240 Cortez Blvd. Brooksville, FL 34601 (352) 796-5111	Contact in cases of serious personal injury.
Springbrook Hospital	7007 Grove Road Spring Hill, FL 34609 (352) 596-4306	Contact in cases of serious personal injury.

8

C L O S U R E

PLAN



KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

Revised Closure Plan

1.0 Notification and Closing Process

Prior to ceasing operations, notification will be provided to the Department and contracted waste suppliers and generators of the intent to close and the expected time frame. Access to the facility is controlled through the use of plant personnel on-site 24 hours per day, 7 days per week, by the use of surveillance cameras, fences, and natural barriers. All vehicles are logged in and out. When the facility is no longer going to function as an AFM processing facility, the plant personnel will deny access of AFM to the facility. A notice will be posted at the entrance to the property stating that the facility is closed.

Prior to closing the facility, any remaining AFM from the storage areas will be combusted in the cement kilns or removed from the facility by a permitted hauler and management facility or returned to the supplier(s).

2.0 Quantity of Alternative Fuel Material (AFM)

The maximum quantity of AFM to be stored at the facility is 4,900 tons. There is no disposal of ash from the combustion of AFM in the cement manufacturing process. Maximum usage for the kiln system is estimated at 240 tons/day, with an average expected usage of 150 tons/day. The expected average inventory turnaround is therefore approximately 33 day's supply based on 4,900 tons per day of storage and 150 tons per day usage. For the CEMEX Brooksville South Cement Plant facility, that amount is as follows:

$$150 \text{ tons/day} \times 33 \text{ days} = \underline{4,900 \text{ tons of AFM}}$$

At a higher usage rate, the AFM storage would be for a shorter period of time.

3.0 Closure Scheduling

At the time a decision is made to close the facility, it is estimated that the total time necessary for closure will be as follows:

Notification Period – 60 days

The Notification Period is expected to be 60 days to allow time for collectors to revise their routing and notify the facilities to receive the AFM.

Combust All AFM At Facility – 60 days

After the 60 day Notification Period ends, the facility will be closed to incoming AFM. As the facility will be managed to ensure that approximately less than 30 times the daily capacity of the equipment is stored, approximately 30 days of normal operations are necessary to combust all AFM. To cover any unforeseen circumstances (i.e., down time), this phase of closure is estimated to be 60 days.

Removal of Residues - 30 Days

Although significant quantities are not expected, any residues at the facility will be removed to a permitted facility or receiver.

Restore Facility to its Pre-Permit Condition

If facility rehabilitation in accordance with 62-711.700(3)(c) is deemed necessary by the Department, CEMEX will work with the Department to develop and

implement a plan for action. Part of the plan development will address adequate time for completion. Without a scope of work, the time frame to complete this task is unknown.

Department Notification

CEMEX will notify the Department when the closing of the facility is complete. CEMEX understands that the Department will inspect the site to ensure that all closing procedures have been correctly implemented and completed. Upon Department inspection and approval of the facility closing, the Department shall provide CEMEX approval of the closing in writing. It is further understood that the Department Secretary or his designee shall release the financial instrument within 30 days of closing approval.

4.0 Closure Cost Estimates

The estimated closing costs for the facility are based on current third party estimates. The third parties are not subsidiary or parent companies and their estimates are based on performing the work and are reported on a per unit basis. Closing costs include removal and disposal of AFM, manual labor for facility cleanup, facility re-grading (if necessary), and inspection by a Professional Engineer registered in the state of Florida. The cost estimates are certified by a Professional Engineer. The cost estimate is re-estimated at least annually and submitted to the Department at least 60 days prior to the anniversary date of the instrument.

To demonstrate financial assurance of the facility closing costs, CEMEX will obtain a guarantee bond that meets or exceeds the required amount of money for the closure costs.

The actual estimated cost of closing the facility at the time of development of this Closure Plan is \$263,073.60, plus the contingency estimate of \$52,614.72 for a total of \$315,688.32. The closing estimates are provided as Attachments.

Removal/Disposal of AFM

The closing cost estimate for this task is based on the quantity of AFM that is permitted for the facility at the amount that would be expended to remove, process, and dispose of AFM at the facility and to close the related operations at the facility. The estimate was obtained from Greenway Recycling and is provided as Attachment A. The estimate was obtained for 4,400 tons of AFM, not 4,900 tons as currently proposed. Therefore, a cost estimate for the transport and disposal at a Class I waste facility of 4,900 tons of AFM based on the Greenway Recycling estimate is as follows:

- 4,900 tons @ approximately \$58.50 ton = \$286,650

Professional Engineer Services

This cost estimate is for an inspection by a professional engineer registered in Florida. A professional engineer will visit the facility to determine if there are spills or any AFM remaining after the removal of residues. The engineer will

provide an inspection report detailing the findings and if applicable, will direct the cleanup effort. The closure cost estimate includes the cost for the inspection and reporting (see Attachment B). The estimate for professional engineering services is as follows:

- Site Inspection and Reporting - 8 hours at \$175/hour = \$1,400.00

Manual Labor

The cost of manual cleaning and debris removal is based on the United States Bureau of Labor Statistics for Occupational Employment and Wages, May 2011 for Cleaners of Vehicles and Equipment.¹ The cost of rough grading was obtained from RSMeans.² The costs for manual labor for facility clean-up and re-grading (if necessary) are estimated as follows:

- Cleanup - \$25/man hour x 80 hrs. = \$2,000.00
- Rough Grading - Equipment Operator \$51.00/8 hr. day and Backhoe \$728.80/day for two 8 hour days = \$2,273.60.

5.0 Summary of Closure Plan

CEMEX has developed this Closure Plan in accordance with Rule 62-701.320(10)(b) (F.A.C.). Closing cost estimates were obtained from independent third parties, and

¹ US DEPARTMENT OF LABOR, OCCUPATIONAL EMPLOYMENT STATISTICS, Occupational Employment and Wages, May 2011. <http://www.bls.gov/oes/current/oes537061.htm>

² RSMeans. *Assemblies Cost Data*, 28th Annual Edition; 2003.

appropriate proof of financial responsibility will be provided upon the Department's approval of this closure plan and closure cost estimates. The total current estimated cost of closing the facility including a contingency fee is \$315,688.32. A Financial Assurance Cost Estimate Form is provided as Attachment C.

6.0 Financial Assurance

Unless exempted by Rule 62-701.710(10)(a) FAC, provide the financial assurance documentation required by Rule 62-701.710(7) FAC (Rule 62-701-710(2)(j) FAC).

CEMEX will provide the required financial assurance upon the Department's review and approval of the closing cost estimates, and no later than sixty days prior to accepting AFM at the site under this solid waste permit. CEMEX will add a 20 percent contingency fee (\$52,614.72) to the estimated closing costs for financial assurance to be provided totaling \$315,688.32.

ATTACHMENT A
GREENWAY RECYCLING ESTIMATE





January 7th, 2013

George Townsend
Production Manager - United States of America
CEMEX
10311 Cement Plant Road Brooksville
Florida 34601

RE: Cost estimate for Hauling and Disposal of 4,400 Tons Class 1 material from Cemex Brooksville Plant.

Dr. Mr. Townsend,

The following is a cost breakdown of what Greenway Recycling, Inc. would charge to haul and dispose of materials in the Brooksville Plant Alternative Fuel Storage Areas. All materials will be transported in 120 CY walking floor trailers. The materials will be disposed at a properly permitted Class 1 waste facility and documented for your records.

Class 1 Material (4,400 Tons)
Costs Per Ton

Transport:	\$20.00
Disposal:	\$38.50
Unit Total:	\$58.50
Total Cost:	\$58.50 x 4,400 tons = \$257, 400.00

Total Material Disposal Cost: \$257,400.00

Thank You,


J. Andrew Risi, PhD

Vice President

Greenway Recycling, Inc.

3035 Highway 92 East
Lakeland, FL 33801
(863) 668 - 5402 Phone
(863) 668 - 5403 Fax

3565 126th Avenue North
Clearwater, FL 33762
(727) 573-1110 Office
(727) 573-1109 Fax
(727) 573-1180 Plant

www.greenway-recycling.com

ATTACHMENT B
ENGINEERING COST ESTIMATE





4014 NW 13th STREET
GAINESVILLE, FL 32609-1823
352/377-5822 • FAX/377-7158

307-12-04
September 10, 2012

Mr. George Townsend
CEMEX Construction Materials Florida, LLC
PO Box 1508
Brooksville, FL 34605-1508

Re: Closing Cost Estimate - Professional Engineering Services
CEMEX Brooksville South Cement Plant AFM Facility
Brooksville, Hernando County, Florida

Dear George:

Thank you for the opportunity to present this cost estimate for Professional Engineering services for the Brooksville South Cement Plant, Alternative Fuel/Material Facility.

A Professional Engineer (P.E.), registered in Florida, will visit the Facility to conduct a site inspection to determine if there are any spills of any solid wastes or other clean-up activities necessary to meet the closure requirements as described in the Closure Plan and in accordance with Rule 62-701.600 (F.A.C.). The engineer will provide an inspection report detailing the findings and directing clean-up efforts if necessary. The professional engineer's inspection will also include a visual evaluation of the Facility elevations. The inspection report will detail these findings, and will provide direction of re-grading if necessary. The costs for Professional Engineering services as described above are as follows:

Site Inspection by P.E., 4 hours at \$175.00/hr. =	\$700.00
Report of findings and direction clean-up and re-grading as necessary, 4 hours at \$175.00/hr. =	\$700.00
TOTAL	\$1,400.00

We look forward to assisting you with this project in the future.

Best regards,

Maxwell R. Lee., Ph.D., P.E.
President, Koogler and Associates, Inc.

MRL/tlr

ATTACHMENT C

**DEP FROM 62-701.900(28) FAC
CLOSURE COST ESTIMATE**





Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

[Print Form](#)[Reset Form](#)

DEP Form # 62-701.900(28), F.A.C.
Form Title: Closure Cost Estimating Form
For Solid Waste Facilities
Effective Date: January 6, 2010
Incorporated in Rule 62-701.630(3), F.A.C.

CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: CEMEX Brooksville South Cement Plant WACS ID: _____
Permit Application or Consent Order No.: 40778 Expiration Date: _____
Facility Address: 10311 Cement Plant Road; Brooksville, FL 34601
Permittee or Owner/Operator: CEMEX Construction Materials Florida, LLC
Mailing Address: 10311 Cement Plant Road; Brooksville, FL 34601

Latitude: 28° 34' 54" Longitude: 82° 25' 56"
Coordinate Method: Degrees/Minutes/Sec Datum: NAD83 (assumed)
Collected by: Unknown/From Original Form Company/Affiliation: N/A

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Active Life of Unit From Date of Initial Receipt of Waste	If active: Remaining life of unit	If closed: Date last waste received	If closed: Official date of closing
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Total disposal unit acreage included in this estimate: _____ Closure: N/A Long-Term Care: N/A

Facility type: ☐ Class I ☐ Class III ☐ C&D Debris Disposal
(Check all that apply) ☐ Other: N/A

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check type)

- | | | |
|---|--|--|
| <input type="checkbox"/> Letter of Credit* | <input type="checkbox"/> Insurance Certificate | <input type="checkbox"/> Escrow Account |
| <input type="checkbox"/> Performance Bond* | <input type="checkbox"/> Financial Test | <input type="checkbox"/> Form 29 (FA Deferral) |
| <input checked="" type="checkbox"/> Guarantee Bond* | <input type="checkbox"/> Trust Fund Agreement | |

* - Indicates mechanisms that require the use of a Standby Trust Fund Agreement

Northwest District
160 Government Center
Pensacola, FL 32502-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-807-3300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
13051 N. Telecom Pky.
Tempe Terrace, FL 33637
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

Southeast District
400 N. Congress Ave., Ste. 200
West Palm Beach, FL 33401
561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code, (F.A.C.) sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☐ (a) Inflation Factor Adjustment

☒ (b) Recalculated or New Cost Estimates

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflatory by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website www.dep.state.fl.us/waste/categories/swfr or call the Financial Coordinator at (850) 245-8706.

This adjustment is based on the Department approved closing cost estimate dated:

To Be Approved

Latest Department Approved
Closing Cost Estimate:

Current Year Inflation
Factor, e.g. 1.02

Inflation Adjusted Closing
Cost Estimate:

x

=

This adjustment is based on the Department approved long-term care cost estimate dated:

N/A

Latest Department Approved
Annual Long-Term Care
Cost Estimate:

Current Year Inflation
Factor, e.g. 1.02

Inflation Adjusted Annual
Long-Term Care Cost
Estimate:

x

=

Number of Years of Long Term Care Remaining:

x

Inflation Adjusted Long-Term Care Cost Estimate:

=

Signature by:

☒ Owner/Operator

☐ Engineer

(check what applies)

Signature

10311 Cement Plant Road

Address

James Daniel, Facility Manager

Name & Title

Brooksville, FL 34601

City, State, Zip Code

3/25/13

Date

jdaniel@cemexusa.com

E-Mail Address

352-799-7881

Telephone Number

IV. ESTIMATED CLOSING COST (check what applies)

☐ Recalculated Cost Estimate

☒ New Facility Cost Estimate

- Notes: 1. Cost estimates for the time period when the extent and manner of landfill operation makes closing most exp
2. Cost estimate must be certified by a professional engineer.
3. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.
4. In some cases, a price quote in support of individual item estimates may be required.

Description	Unit	Number of Units	Cost / Unit	Total Cost
1. Proposed Monitoring Wells (Do not include wells already in existence.)				
	EA			
			Subtotal Proposed Monitoring Wells:	
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	1	\$2,273.60	\$2,273.60
Placement and Spreading	CY			
Compaction	CY			
Off-Site Material	CY			
Delivery	CY			
			Subtotal Slope and Fill:	\$2,273.60
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY			
Synthetics - 40 mil	SY			
Synthetics - GCL	SY			
Synthetics - Geonet	SY			
Synthetics - Other (explain)				
			Subtotal Cover Material:	
4. Top Soil Cover:				
Off-Site Material	CY			
Delivery	CY			
Spread	CY			
			Subtotal Top Soil Cover:	
5. Vegetative Layer				
Sodding	SY			
Hydroseeding	AC			
Fertilizer	AC			
Mulch	AC			
Other (explain)				
			Subtotal Vegetative Layer:	
6. Stormwater Control System:				
Earthwork	CY			
Grading	SY			
Piping	LF			
Ditches	LF			
Berms	LF			
Control Structures	EA			
Other (explain)				
			Subtotal Stormwater Control System:	

Description	Unit	Number of Units	Cost / Unit	Total Cost
7. Passive Gas Control:				
Wells	EA			
Pipe and Fittings	LF			
Monitoring Probes	EA			
NSPS/Title V requirements	LS	1	\$0.00	
Subtotal Passive Gas Control:				
8. Active Gas Extraction Control:				
Traps	EA			
Sumps	EA			
Flare Assembly	EA			
Flame Arrestor	EA			
Mist Eliminator	EA			
Flow Meter	EA			
Blowers	EA			
Collection System	LF			
Other (explain) _____				
Subtotal Active Gas Extraction Control:				
9. Security System:				
Fencing	LF			
Gate(s)	EA			
Sign(s)	EA			
Subtotal Security System:				
10. Engineering:				
Closure Plan Report	LS	1	\$0.00	
Certified Engineering Drawings	LS	1	\$0.00	
NSPS/Title V Air Permit	LS	1	\$0.00	
Final Survey	LS	1	\$0.00	
Certification of Closure	LS	1	\$0.00	
Other (explain) Disposal		1	\$257,400.00	\$257,400.00
Subtotal Engineering:				\$257,400.00
Contractor (Greenway Recycling)				

Description	Hours	Cost / Hour	Hours	Cost / Hour	Total Cost
11. Professional Services					
	<u>Contract Management</u>		<u>Quality Assurance</u>		
P.E. Supervisor	4	\$175.00	4	\$175.00	\$1,400.00
On-Site Engineer					
Office Engineer					
On-Site Technician					
Other (explain)	80	\$25.00			\$2,000.00
Clean-up Tech					

Description	Unit	Number of Units	Cost / Unit	Total Cost
Quality Assurance Testing	LS	1		
Subtotal Professional Services:				\$3,400.00

Subtotal of 1-11 Above: \$263,073.60

12. Contingency 20 % of Subtotal of 1-11 Above \$52,614.72
Subtotal Contingency: \$52,614.72

Estimated Closing Cost Subtotal: \$315,688.32

Description	Total Cost
13. Site Specific Costs	
Mobilization	
Waste Tire Facility	
Materials Recovery Facility	
Special Wastes	
Leachate Management System Modification	
Other (explain) _____	

Subtotal Site Specific Costs:	

TOTAL ESTIMATED CLOSING COSTS (\$): \$315,688.32

V. ANNUAL COST FOR LONG-TERM CARE

See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining. (Check Term Length) ☐ 5 Years ☐ 20 Years ☐ 30 Years ☒ Other, 0 Years

Notes: 1. Cost estimates must be certified by a professional engineer.

2. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.

3. In some cases, a price quote in support of individual item estimates may be required.

All items must be addressed. Attach a detailed explanation for all entries left blank.

Description	Sampling Frequency (Events / Year)	Number of Wells	(Cost / Well) / Event	Annual Cost
1. Groundwater Monitoring [62-701.510(6), and (8)(a)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1			
Subtotal Groundwater Monitoring:				
2. Surface Water Monitoring [62-701.510(4), and (8)(b)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1			
Subtotal Surface Water Monitoring:				
3. Gas Monitoring [62-701.400(10)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1			
Subtotal Gas Monitoring:				
4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1			
Other (explain) _____				
Subtotal Leachate Monitoring:				

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
5. Leachate Collection/Treatment Systems Maintenance				
Maintenance				
Collection Pipes	LF			
Sumps, Traps	EA			
Lift Stations	EA			
Cleaning	LS	1		
Tanks	EA			

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
5. (continued)				
<u>Impoundments</u>				
Liner Repair	SY	_____	_____	_____
Sludge Removal	CY	_____	_____	_____
<u>Aeration Systems</u>				
Floating Aerators	EA	_____	_____	_____
Spray Aerators	EA	_____	_____	_____
<u>Disposal</u>				
Off-site (Includes transportation and disposal)	1000 gallon	_____	_____	_____
Subtotal Leachate Collection / Treatment Systems Maintenance:				_____
6. Groundwater Monitoring Well Maintenance				
Monitoring Wells	LF	_____	_____	_____
Replacement	EA	_____	_____	_____
Abandonment	EA	_____	_____	_____
Subtotal Groundwater Monitoring Well Maintenance:				_____
7. Gas System Maintenance				
Piping, Vents	LF	_____	_____	_____
Blowers	EA	_____	_____	_____
Flaring Units	EA	_____	_____	_____
Meters, Valves	EA	_____	_____	_____
Compressors	EA	_____	_____	_____
Flame Arrestors	EA	_____	_____	_____
Operation	LS	1	\$0.00	_____
Subtotal Gas System Maintenance:				_____
8. Landscape Maintenance				
Mowing	AC	_____	_____	_____
Fertilizer	AC	_____	_____	_____
Subtotal Landscape Maintenance:				_____
9. Erosion Control and Cover Maintenance				
Sodding	SY	_____	_____	_____
Regrading	AC	_____	_____	_____
Liner Repair	SY	_____	_____	_____
Clay	CY	_____	_____	_____
Subtotal Erosion Control and Cover Maintenance:				_____
10. Storm Water Management System Maintenance				
Conveyance Maintenance	LS	1	\$0.00	_____
Subtotal Storm Water Management System Maintenance:				_____
11. Security System Maintenance				
Fences	LS	1	\$0.00	_____
Gate(s)	EA	_____	_____	_____
Sign(s)	EA	_____	_____	_____
Subtotal Security System Maintenance:				_____

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
12. Utilities	LS	1	\$0.00	
Subtotal Utilities:				

13. Leachate Collection/Treatment Systems Operation
Operation

P.E. Supervisor	HR			
On-Site Engineer	HR			
Office Engineer	HR			
OnSite Technician	HR			
Materials	LS	1	\$0.00	

Subtotal Leachate Collection/Treatment Systems Operation:

14. Administrative

P.E. Supervisor	HR			
On-Site Engineer	HR			
Office Engineer	HR			
OnSite Technician	HR			
Other _____				

Subtotal Administrative:

Subtotal of 1-14 Above:

15. Contingency

_____ % of Subtotal of 1-14 Above

Subtotal Contingency:

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
16. Site Specific Costs				
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Subtotal Site Specific Costs:

ANNUAL LONG-TERM CARE COST (\$ / YEAR):

Number of Years of Long-Term Care: _____

TOTAL LONG-TERM CARE COST (\$):

VI. CERTIFICATION BY ENGINEER

This is to certify that the Cost Estimates pertaining to the engineering features of this solid waste management facility have been examined by me and found to conform to engineering principles applicable to such facilities. In my professional judgment, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and/or long-term care of the facility and comply with the requirements of Rule 62-701.630 F.A.C. and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.



Signature

Maxwell R. Lee, Ph.D., P.E.

Name and Title (please type)

3/27/13

Date

58091

Florida Registration Number
(please affix seal)

4014 NW 13th Street

Mailing Address

Gainesville, FL 32609

City, State, Zip Code

mlee@kooglerassociates.com

E-Mail address (if available)

352-377-5822

Telephone Number

VII. SIGNATURE BY OWNER/OPERATOR



Signature of Applicant

James Daniel, Plant Manager

Name and Title (please type)

james.daniel@cenexon

E-Mail address (if available)

10311 Cement Plant Road

Mailing Address

Brooksville, FL 34601

City, State, Zip Code

352-799-7881

Telephone Number