



690-14-06
October 6, 2014

ENVIRONMENTAL SERVICES
4014 NW 13th STREET
GAINESVILLE, FL 32609-1923
www.kooglerassociates.com
352/377-5822 ■ FAX 352/377-5822

Sent via Email: Kim.Rush@dep.state.fl.us and FEDEX

Kimberly Rush, P.E.
Solid Waste and Air Permitting
Florida Department of Environmental Protection
3319 Maguire Blvd. Ste 232
Orlando, FL 32803-3767

RE: American Cement Company, LLC - Tire Permit Renewal
Sumterville, Sumter County, Florida
FDEP Permit No. 297136-001-WT/02

Dear Ms. Rush:

On behalf of American Cement Company, LLC, Koogler and Associates, Inc. is submitting this application package to renew the American Cement Company's Tire Processing permit for their facility in Sumterville in Sumter County. The current permit expires on April 7, 2015.

A copy of this application package is being submitted electronically and one hard copy is being mailed to your attention. The permit application fee of \$1250 is enclosed with the hard copy. If you have any questions regarding this submittal, please contact me at (352) 377-5822 or treed@kooglerssociates.com.

Best regards,

Tammy L. Reed
Environmental Scientist

/tlr

Enclosure

cc: Charles Robertson – American Cement Company, LLC
Veronica N. Sgro, P.E. – Koogler and Associates, Inc.
FDEP – Solid Waste Financial Coordinator – (w/Attachment 8 only)



Florida Department of Environmental Protection

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

Reset Form

Print Form

DEP Form # 62-701.900(23)

Form Title: Waste Tire Processing
Facility Permit Application

Effective Date: January 6, 2010

Incorporated in Rule 62-711.530(6)

Waste Tire Processing Facility Permit Application

Permit No. 297136-001-WT/02

Renewal ☒ Modification ☐ Existing unpermitted facility ☐ Proposed new facility ☐

Part I-General Information:

A. Applicant Information:

1. Applicant Name: American Cement Company, LLC
2. Applicant Street Address: 4750 East County Road 470
3. City: Sumterville County: Sumter Zip: 33585
4. Applicant Mailing Address: P.O. Box 445
5. City: Sumterville County: Sumter Zip: 33585
6. Contact person: Cary Cohrs Phone: (352)569-5393 FEID No: _____
7. Have any enforcement actions been taken by the Department against the applicant relating to the operation of any solid waste management facility in this state? This includes any Complaint, Notice of Violation, or revocation of a permit or registration, as well as any Consent Order in which a violation of Department rules is admitted. It does not include a Warning Letter, Warning Notice, Notice of Noncompliance, or other similar document which does not constitute agency action.
Yes ☐ No ☒ If yes, attach a history and description of the enforcement actions.

B. Facility Information:

1. Facility Name: American Cement Tire Processing Facility
2. Facility Street Address (Main Entrance): 4750 East County Road 470
3. City: Sumterville County: Sumter Zip: 33585
4. Facility Mailing Address: P.O. Box 445
5. City: Sumterville State: Florida Zip: 33585
6. Contact Person: Cary Cohrs Phone: (352)569-5393
7. Facility Location Coordinates:
Section: 8 Township: 20S Range: 23E
Latitude: 28 45' 38" N Longitude: 82 01' 35" W
8. Anticipated date for starting construction N/A and for completion of construction N/A
9. Anticipated date for receipt of tires N/A and for start of processing N/A

Mail completed form to
appropriate district office listed below

Northwest District
160 Government Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. 200 B
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 Pkwy
Temple Terrace, FL
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33902-2549
239-332-6975

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

C. Land Owner Information (if different from applicant):

1. Owner's name: Same as applicant
2. Land owner's mailing address: _____
3. City: _____ State: _____ Zip: _____
4. Authorized Agent: _____ Agent's phone () _____
5. Current lease expires: _____

D. Facility Operator Information (if different from applicant):

1. Operator's name: Same as applicant
2. Operator's mailing address: _____
3. City: _____ State: _____ Zip: _____
4. Contact person: _____ Phone: () _____

E. Preparer of Application:

1. Name of person preparing application: Veronica N. Sgro, P.E. - Koogler and Associates, Inc.
2. Mailing address: 4014 NW 13th Street
3. City: Gainesville State: FL Zip: 32609
4. Phone: (352)377-5822
5. Affiliation with facility: Environmental Consultant - Project Engineer

Part II-Operations:
A. Facility type (check appropriate box):

- ☐ Waste tire processing facility.
☐ Waste tire processing facility with on -site disposal of processed tires or processing residuals.
☒ Waste tire processing facility with on -site consumption of waste tires or processing residuals.
☐ Permitted solid waste management facility modification to allow waste tire site and processing.

B. Type of processing facility (check as many as apply):

- ☐ Shredder ☐ Cutter ☐ Chopper ☐ Incinerator only ☐ Incinerator with energy recovery
☐ Pyrolysis ☒ Supplemental fuel user ☐ Other, explain _____

C. Storage: Indicate the maximum quantities of whole waste tires, processed waste tires, and processing residuals, expressed in tons, to be stored at the facility, in accordance with Rule 62-711.530(2), F.A.C.

	Outdoor Storage(tons)	Outdoor Storage (sq.ft)	Indoor Storage (tons)	Indoor Storage (sq.ft)	Total Storage (tons)
Whole waste tires:	<u>65</u>	<u>1,800</u>	<u>15.4</u>	_____	<u>80.4</u>
Processed tires:	_____	_____	_____	_____	_____
Processing residuals:	_____	_____	_____	_____	_____
TOTALS:	<u>65</u>	<u>1,800</u>	<u>15.4</u>	_____	<u>80.4</u>

- D. For reporting quantity of tires in tons, tires will be: weighed on site ☒ weighed off site ☐
weights will be calculated ☐
- E. Facilities that will not be disposing of processed tires or processing residual on the facility site must indicate the permitted solid waste management facility where processed tires or residuals will be disposed.
1. Name of facility N/A - whole tires used as supplemental fuel for cement kiln
2. Street address: _____
3. City: _____ County: _____ Zip: _____
- F. Facilities that will be delivering processed tires to consuming facilities must describe the existing or proposed markets for those processed tires.
- N/A - consuming facility using whole tires as supplemental fuel for cement kiln
- _____
- _____
- _____

Part III-Attachments:**A. Facility design**

NOTE: All maps, plan sheets, drawings, isometrics, cross sections, or aerial photographs shall be legible; be signed and sealed by a registered professional engineer responsible for their preparation; be of appropriate scale to show clearly all required details; be numbered, referenced to narrative, titled, have a legend of symbols used, contain horizontal and vertical scales (where applicable), and specify drafting or origination dates; and use uniform scales as much as possible, contain a north arrow and use NGVD for all elevations.

1. A topographic or section map of the facility, including the surrounding area for one mile, no more than one year old, showing land use and zoning within one mile of the facility
2. A plot plan of the facility on a scale of not less than one inch equals 200 feet. At a minimum, the plot plan shall include
 - a. The facility design, including the location and size of all storage and processing areas for used tires, unprocessed waste tires, processed waste tires, and waste tire processing residuals;
 - b. All wetlands and water bodies within the facility or within 200 feet of any storage area;
 - c. Stormwater control measures, including ditches, dikes, and other structures;
 - d. Boundaries of the facility, legal boundaries of the land containing the facility, and any easements or rights of way that are within the facility or within 200 feet of any storage area;
 - e. Location, size, and depth of all wells within the facility or within 200 feet of any storage area;
 - f. All structures and buildings that are, or will be, constructed at the facility; include those used in storage and processing operations;
 - g. All areas used for loading and unloading;
 - h. All access roads and internal roads, including fire lanes;
 - i. Location of all fences, gates, and other access control measures; and
 - j. Location of all disposal areas within the facility.

B. Facility operation.

1. A description of the facility's operation, process and products including how waste tires will be received and stored.
2. A description of the equipment used for processing tires. This description shall include the make, model, and hourly capacity of each piece of equipment.
3. Description of the waste from the process, the amount of waste expected and how and where this waste will be disposed of.
4. Statement of the maximum daily throughput and the planned daily and annual throughput.
5. A description of how the operator will maintain compliance with each of the storage requirements of Rule 62 - 711.540, F.A.C.
6. A copy of the emergency preparedness manual for the facility with a statement of the on site and off site locations where that manual will be maintained.
7. A copy of the fire safety survey
8. A description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling.

C. Completed closing plan for the facility as required by Rule 62-711.700(2) and (3), F.A.C.

- D. Attach proof of financial responsibility as requirement by Rule 62-711.500(3) OR a calculation showing that financial assurance documents, currently on file with the Department, are sufficient to assure closing of the waste tire site as well as any other solid waste management facility at that location.
- E. A letter from the land owner (if different from applicant) authorizing use of the land as a waste tire processing facility.
- F. If waste tires will be consumed or disposed of at the facility, attach a description of the other environmental permits that the applicant has for this use, including, permit number, date of issue, and name of issuing agency
- G. The permit fee as required in Rule 62-4, F.A.C.

Part IV-Certification:

A. Applicant:

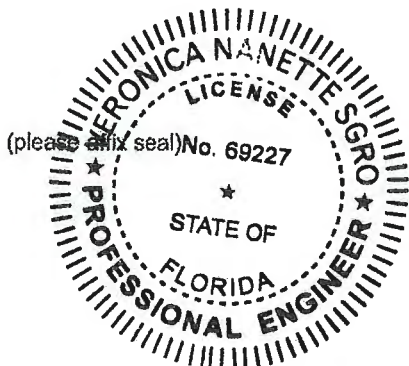
The undersigned applicant or authorized representative of American Cement
is aware that statements made in this form and attached information are an application for a
Tire Processing Facility Permit from the Florida Department of Environmental Protection and certifies that
The information in this application is true, correct and complete to the best of his knowledge and belief.
Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes, and all rules and
regulations of the Department. It is understood that the Department will be notified prior to the sale or legal transfer
of the facility

Cary Cohrs, President 9/25/14
Signature of Applicant or Authorized Agent Name and Title Date

B. Professional Engineer registered in Florida.

This is to certify that the engineering features of this waste tire processing facility have been
Designed/examined by me and found to conform to engineering principals applicable to such facilities. In my
professional judgment, this facility, when properly maintained and operated will comply with all applicable statutes of
the State of Florida and rules of the Department. It is agreed that the undersigned will provide the applicant with a
and operation of the facility.

Veronica N. Sgro 4014 NW 13th Street
Signature Mailing Address
Veronica Sgro, P.E. Gainesville, FL 32609
Name and Title City, State, Zip
69227 352-377-5822
Florida Registration Number Telephone number



October 6, 2014
Date

PART III – ATTACHMENTS

SECTION A – FACILITY DESIGN

Attachment 1: Topographic Map

Attachment 2A: Land Use and Zoning Map

Attachment 2B: County Future Land Use Map

Attachment 3: Facility Plot Plan

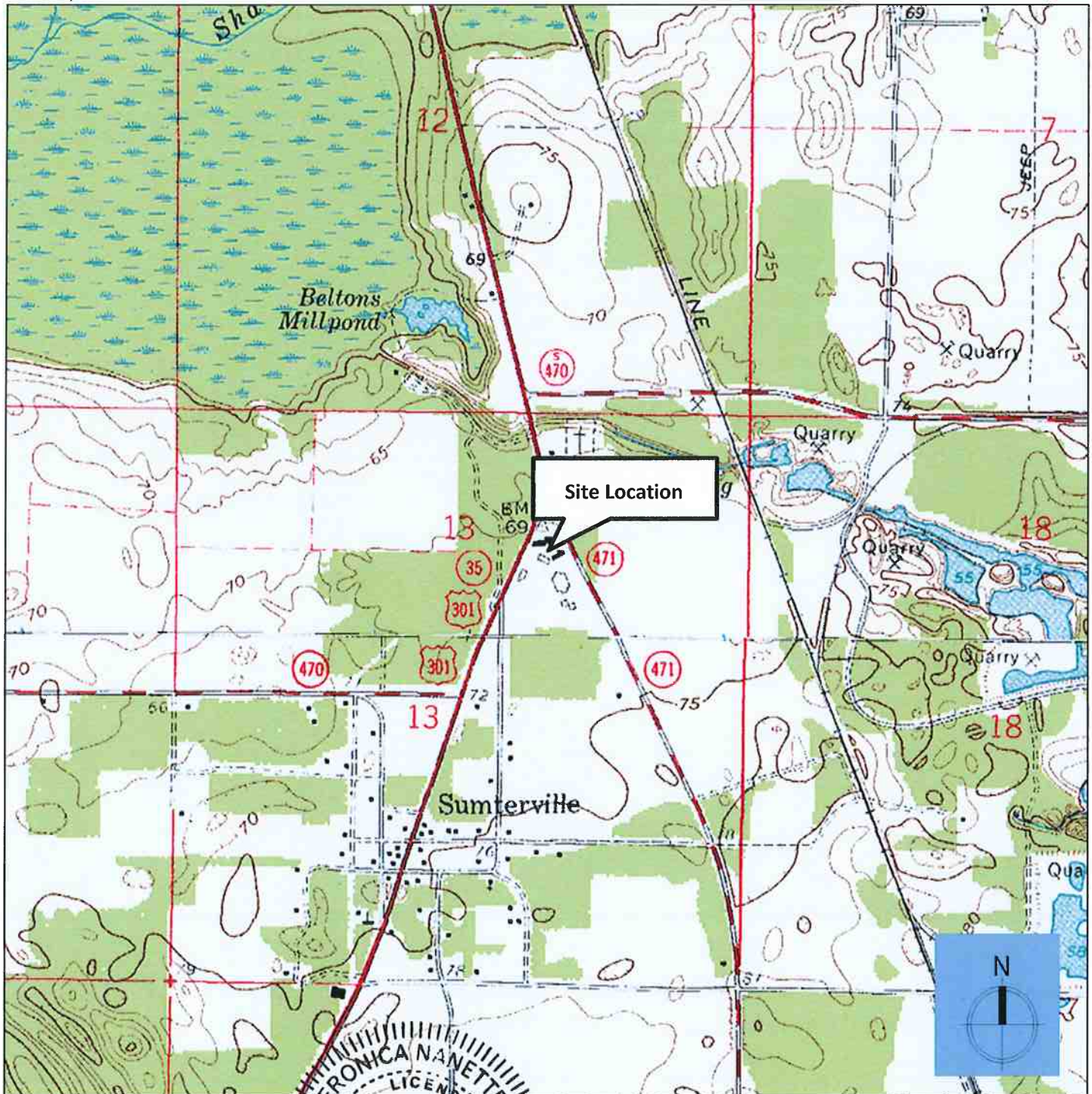
Attachment 4: Tire Feed System Plan View Layout

NOTE: Topographic map was accessed on 9/25/2014 from
<http://www.topoquest.com/map.php?lat=28.75220&lon=-82.06017&datum=nad83&zoom=2&map=24k&coord=d&mode=zoomin&size=m>.

USGS Map Name: Wildwood, FL Map MRC:
28082G1

MapCenter: N28.75220° W82.06017° Datum:
NAD83 Zoom: 4m/pixel

Scale 1:24,000



Drawing No. 690-14-06

Professional Engineer Certification:

I, the undersigned, hereby certify, except as particularly noted herein*, that based on information and belief obtained after reasonable inquiry, to the best of my knowledge, the statements and information in this document are true, correct, and complete. *Any exceptions are attached.

Veronica N. Sgro

October 6, 2014

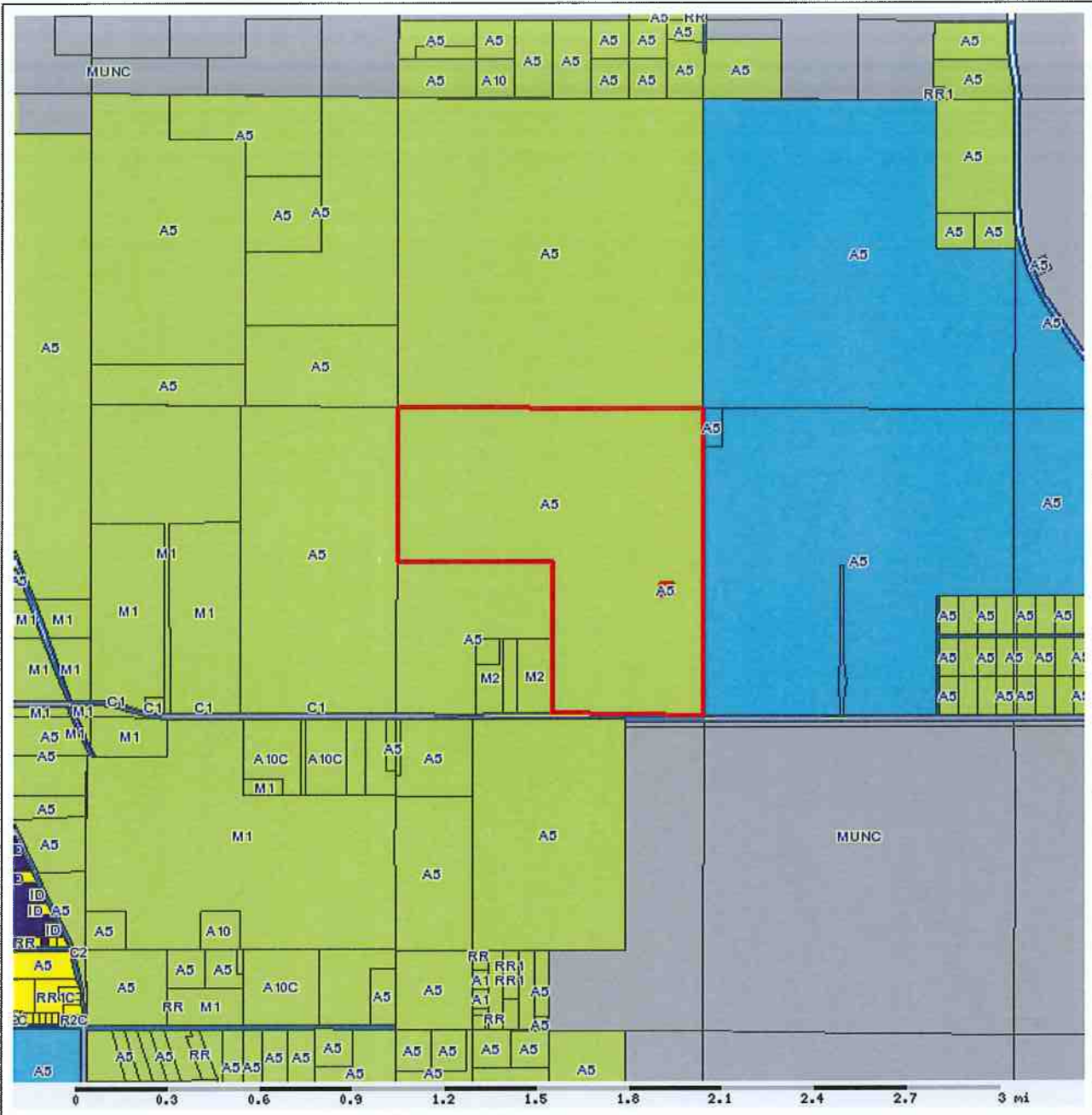
Veronica Sgro., P.E. (Florida PE No. 69227)

Date

Attachment 1

USGS Topographic Map
American Cement Company, LLC
Sumterville, Sumter County, Florida
Tire Processing Permit Renewal
WACS ID No. SWD/60/98523
Permit No. 297136-001-WT/02





Sumter County BOCC - GIS
BOCC - Bushnell, FL 33513 | 352-793-0200

Parcel ID:K08=001
AMERICAN CEMENT COMPANY LLC
PO BOX 445 SUMTERVILLE, FL 33585
Street: 4750 E C-470
S/T/R:08/20/23 N1/2 AND SE1/4 LESS COMM AT SE COR OF SE 1/4 RUN N 50 FT TO N/RW OF CR 470 THENCE W 75 FT N 20
Sales
6/1/2006 1612/517 Vacant \$2,300,000.00
1/1/1990 400/306 Vacant \$2,300,000.00

ATTACHMENT 2A

NOTES:
Attachment 2A: Land Use and Zoning Map

Accessed on 09/25/2014 from sumtergis.com/gis.

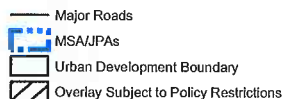
See Attachment 2B for Land Use Key.














This information was derived from data which was compiled by the Sumter County BOCC - GIS. This information should not be relied upon by anyone as a determination of the ownership of property, legal boundary representation, or market value. The map image is not a survey and shall not be used in any Title Search or any official capacity. No warranties, expressed or implied, are provided for the accuracy of the data herein, its use, or its interpretation. This information was last updated: 9/18/2014 and may not reflect the data currently on file at our office.

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GrizzlyLogic.com

2035 Future Land Use Map
Sumter County
Map 1-1



Designation/Allowable Densities

-  Agricultural (AGR); 1 unit/10 acres
-  Rural Residential (RR); 1 to 2 units/acre
-  Urban Residential (UR); 4 to 6 units/acre
-  Commercial (COM)
-  Industrial (IND)
-  Public, Institutional (PI)
-  Conservation (CON)
-  Recreation (REC)
-  Municipal Jurisdiction (MUN)
-  Mixed Use (MU)
-  Water Features

OVERLAYS SUBJECT TO POLICY RESTRICTIONS

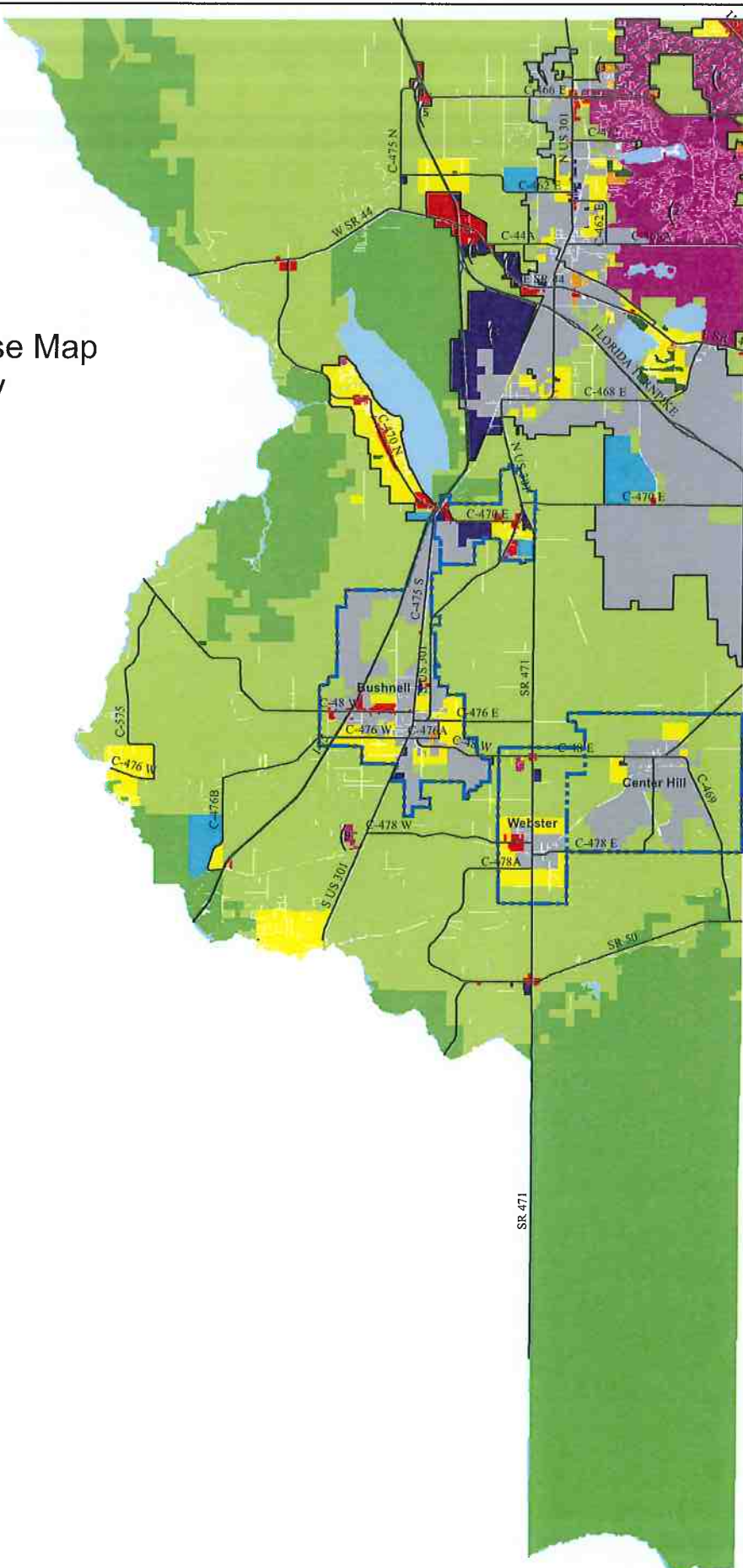
- 1 Tri-County Villages DRI (policy 1.3.1U)
- 2 Villages of Sumter County DRI (Policy 1.3.2U)
- 3 Peterson Residential (Policy 1.1.8U)
- 4 Interchange Commercial Center (Policy 1.1.9U)
- 5 Zito Mixed Use (Policy 1.1.7U)
- 6 Sumter LLC Commerce (Policy 1.1.3U)
- 7 LCPL Industrial (Policy 1.1.4U)
- 8 Monarch Ranch (Policy 1.1.5U)
- 9 Southern Villas RV Resort (Policy 1.1.6U)

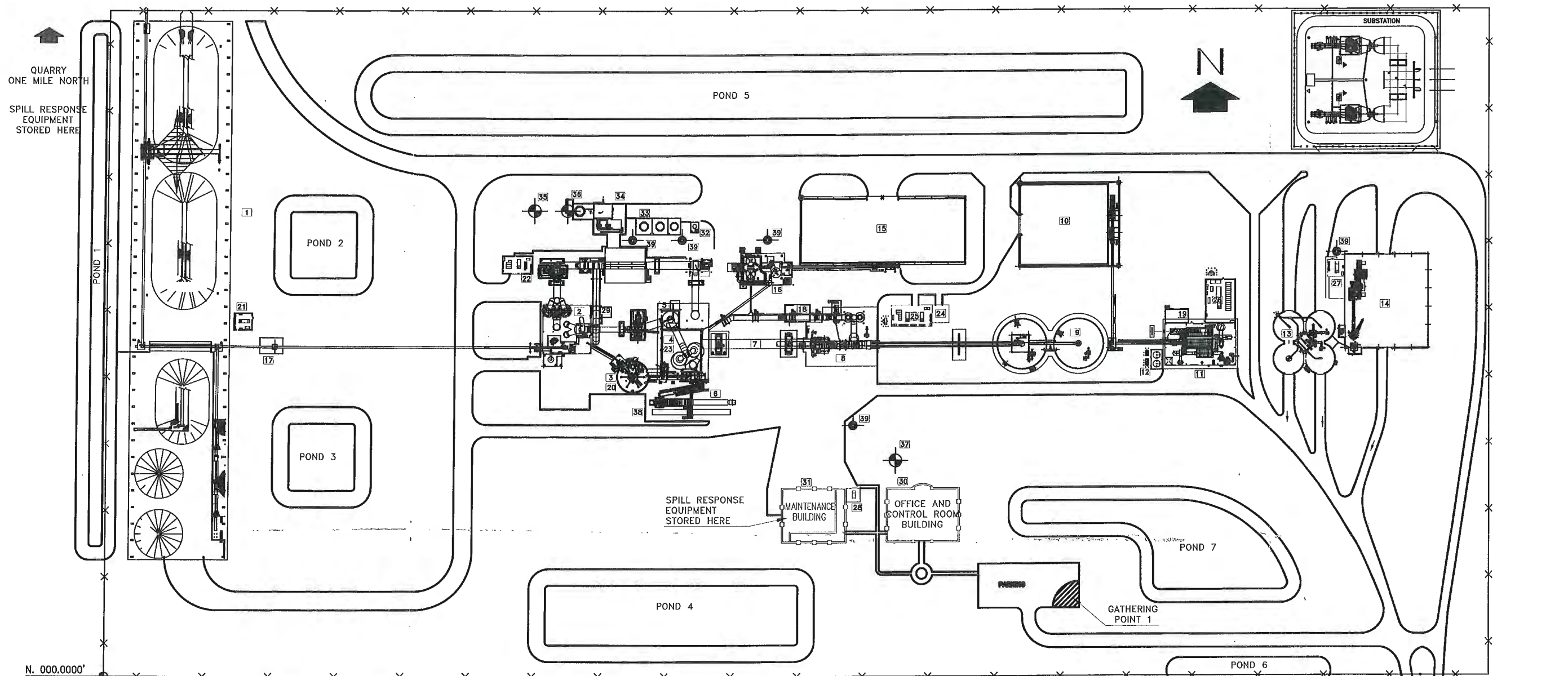


Sumter County BOCC
Geographic Information System
(352) 569-6732 or 689-4479

(352) 569-6732 or 689-4479
This map product was prepared from a Geographic Information System established by the Sumter County GIS Office. The Sumter County GIS Office, its employees, agents and personnel, make no warranty to its accuracy, and in particular its accuracy as to labeling, dimensions, contours, property boundaries or placement or location of any map features thereon. The Sumter County GIS Office, its employees, agents and personnel MAKE NO WARRANTY OF MERCHANTABILITY OR WARRANTY FOR FITNESS OF A USE FOR A PARTICULAR PURPOSE EXPRESSED OR IMPLIED WITH RESPECT TO THIS MAP PRODUCT.

Independent verification of all data contained on this map product should be obtained by any user of this map.

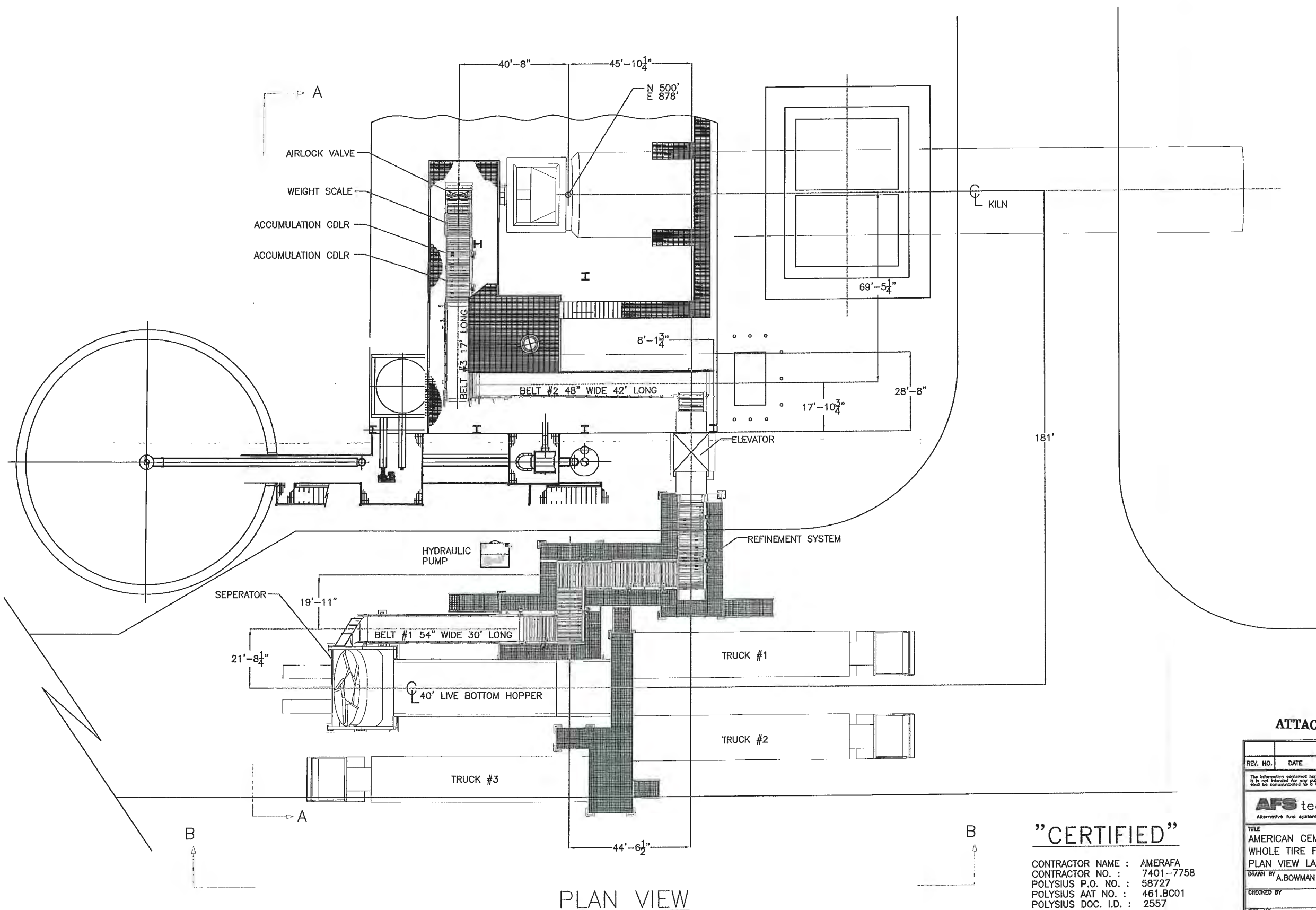




NEW KILN LINE **LEGEND**

- | | | |
|-----------------------------|--|--|
| 1. RAW MATERIAL STORAGE | 14. PACKING PLANT | 27. ELECTRICAL ROOM #6 CEMENT SILOS / PACKING PLANT |
| 2. RAW MILL | 15. COAL STORAGE BUILDING | 28. ELECTRICAL ROOM #7 MAINTENANCE BUILDING |
| 3. HOMOGENIZING SILO | 16. COAL MILL | 29. COMPRESSOR ROOM No.4 |
| 4. PREHEATER | 17. CROSS-BELT ANALYZER | 30. ADMINISTRATIVE OFFICE |
| 5. GAS CONDITIONING TOWER | 18. COMPRESSOR ROOM No.1 | 31. MAINTENANCE BUILDING (SPILL EQUIPMENT INSIDE) |
| 6. TIRE FEED SYSTEM | 19. COMPRESSOR ROOM No.2 | 32. AMMONIA TANK 19.5% |
| 7. ROTARY KILN | 20. COMPRESSOR ROOM No.3 | 33. FUEL TANKS |
| 8. COOLER & BURNER BUILDING | 21. ELECTRICAL ROOM #1 R.M.S. BUILDING | 34. WATER COOLING TOWER |
| 9. CLINKER STORAGE SILOS | 22. ELECTRICAL ROOM #2 RAW MILL | 35. PROCESS WATER WELL #1: 12 inch casing, 500 feet deep |
| 10. GYPSUM STORAGE | 23. ELECTRICAL ROOM #3 PREHEATER | 36. PROCESS WATER WELL #2: 12 inch casing, 500 feet deep |
| 11. FINISH MILL | 24. STAND-BY GENERATOR & FUEL TANK | 37. POTABLE WATER WELL: 5 inch casing, 200 feet deep |
| 12. GRINDING AID TANKS | 25. ELECTRICAL ROOM #4 CLINKER COOLER | 38. GAS CYLINDER STORAGE |
| 13. CEMENT STORAGE SILOS | 26. ELECTRICAL ROOM #5 FINISH MILL | 39. FIRE HYDRANT |

DWN: DOR 10/23/09			THIRD ANGLE PROJECTION			
CHKD:			SCALE:		PROJECT:	
APPD:			SCALE		PROJECT:	
DRAWING TITLE:			PLANT_LAYOUT ATTACHMENT 3			
REFERENCE:			DRAWING NO:		SHEET: 0 OF 0 SHEET SIZE: 0	
					REV: 0	



PLAN VIEW

"CERTIFIED"

CONTRACTOR NAME : AMERAF
 CONTRACTOR NO. : 7401-7758
 POLYSIUS P.O. NO. : 58727
 POLYSIUS AAT NO. : 461.BC01
 POLYSIUS DOC. I.D. : 2557

ATTACHMENT 4

REV. NO.	DATE	BY	DESCRIPTION
<small>The information contained herein is confidential and the property of AFS Technology, LLC. It is not intended for any other use and is to be used only for the project and not for any other purpose. It is to be maintained in a secure place and not to be distributed to any other party without written authorization from AFS Technology, LLC.</small>			
AFS technology <small>Alternative fuel system solutions for industry</small>			4080 Gibson Dr Tipp City, Ohio 45371 USA
TITLE AMERICAN CEMENT, SUMTERVILLE FLORIDA WHOLE TIRE FEED SYSTEM PLAN VIEW LAYOUT			
DRAWN BY: A.BOWMAN		SCALE: NONE	DATE: 10/10/07
CHECKED BY:		APPROVED:	PROJECT:
DWG. NO.: 603GA02			SHEET NO.: 2 OF 6

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 NOV 20 2009
 SOUTH WEST DISTRICT

PART III
SECTION B – FACILITY OPERATION

1. A description of the facility's operation, process and products including how waste tires will be received and stored.

The American Cement Plant produces Portland cement using a dry process kiln with a preheater and calciner. The cement kiln is authorized to burn tires and tire-derived fuel as a supplemental fuel. Pre-sorted tires are delivered to the facility from a single contractor in container trailers. A copy of the facility's Comprehensive Operations Plan is provided as Attachment 5.

2. A description of the equipment used for processing tires. This description shall include the make, model, and hourly capacity of each piece of equipment.

Not applicable – tires are not processed on site.

3. Description of the waste from the process, the amount of waste expected and how and where this waste will be disposed of.

No wastes are generated from the process. The organic components of the tires are combusted in the high-temperature kiln, providing heat value (Btu's) to the process. The inorganic components are incorporated into the kiln production (clinker). Handling of residuals is described in the Comprehensive Operations Plan provided as Attachment 5.

4. Statement of the maximum daily throughput and the planned daily and annual throughput.

The maximum daily throughput is 60 tons/day. The planned daily throughput is 60 tons/day and the planned annual throughput is 21,900 tons per year.

5. A description of how the operator will maintain compliance with each of the storage requirements of Rule 62-711.540, FAC.

Storage requirements are discussed in the Comprehensive Operations Plan provided as Attachment 5.

6. A copy of the emergency preparedness manual for the facility with a statement of the on site and off site locations where that manual will be maintained.

Refer to the Hazardous Materials Emergency and Contingency Plan (Attachment 6), which contains emergency preparedness procedures for the facility. The local authorities have been notified of the facility's emergency procedures. A copy of the Plan is maintained onsite in the Environmental Manager's office and the Front Gate Guard House. The off-site locations are the home addresses of:

- Cary Cohrs, President
- William Wall, Plant Manager
- Charles Robertson, Environmental Manager

7. A copy of the fire safety survey.

The most recent fire safety survey is provided as Attachment 7, and includes documentation of completion of the follow-up work order.

8. A description of how 75% of the annual accumulation of waste tires will be removed for disposal or recycling.

Removal of the annual accumulation of tires is discussed in the Comprehensive Operations Plan provided as Attachment 5.

ATTACHMENT 5
COMPREHENSIVE OPERATIONS PLAN

COMPREHENSIVE OPERATIONS PLAN

**AMERICAN CEMENT COMPANY, LLC
SUMTERVILLE CEMENT PLANT**

TIRE PROCESSING FACILITY

**4750 East Sumter County Road 470
Sumterville, Sumter County, Florida 33585**

TABLE OF CONTENTS

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ENGINEERING CALCULATIONS	12

INTRODUCTION

This Comprehensive Operations Plan provides a description of the facility's operation, process and products including how tires will be received and stored. A copy of the emergency preparedness manual for the facility is included with this submittal.

The on site and off site locations where the emergency preparedness manual will be maintained are as follows:

The on-site locations for the emergency preparedness manual will be the Environmental Manager's office and the Front Gate Guard House. The off-site locations for the emergency preparedness manual will be the home addresses of:

- ❑ Cary Cohrs, President
- ❑ William Wall, Plant Manager
- ❑ Charles Robertson, Environmental Manager

This section includes a statement of the maximum daily throughput and the planned daily and annual throughput.

The applicant is the land owner and has authorized the use of the land as a tire processing facility.

Facility Name: American Cement Company, LLC
Tire Processing Facility

Facility Owner/Operator: American Cement Company, LLC

Mailing address: Post Office Box 445
Sumterville, Florida 33585
Sumter County

Telephone: (352) 569-5393

Facsimile: (352) 569-5397

Physical Location: 4750 East Sumter County Road 470
Sumterville, Sumter County, Florida 33585

Section 8, Township 20 South, Range 23 East

Latitude 28°45'38" North, Longitude 82°01'35" West

Facility Contact: William Wall – Plant Manager

This facility is a Tire Processing Facility with on-site consumption of tires as supplemental fuel for a cement kiln. The maximum quantity of tires to be stored at the facility is 80.4 tons. The maximum daily throughput is 60 tons/day. The planned daily throughput is 60 tons/day and the planned annual throughput is 21,900 tons per year. See Pages 12-15 for Engineering Calculations.

OPERATIONS AND ACCESS

Tires for this facility will be supplied from suppliers that are registered tire collectors. Tires will not be accepted from the general public, or from someone that is not a registered tire collector.

American Cement Company, LLC will maintain recordkeeping consistent with the applicable portions of Rule 62-711.530(4), F.A.C., as follows:

(4) The owner or operator of a waste tire processing facility shall record and maintain for three years the following information regarding their activities, which records shall be available for inspection by Department personnel during normal business hours:

- (a) For all waste tires shipped from the facility, the name and waste tire collector registration number of the waste tire collector who accepted the waste tires for transport, and the quantity of waste tires shipped with that collector.*
- (b) For all waste tires received at the facility, the name and waste tire collector registration number of the collector who delivered the waste tires to the facility, and the quantity of waste tires received from that collector.*

American Cement Company, LLC will also maintain recordkeeping consistent with Rule 62-711.540(1)g., F.A.C., as follows:

- (g) The operator of the site shall maintain records of the quantity of waste tires received at the site, stored at the site, and shipped from the site.*

The Environmental Manager will record the tonnages of tires received at the site and maintain the other records specified above.

Tires are stored at one location at the site, as shown on the tire facility plot plan:

- Tire trailer storage area – tires in enclosed trailers

All of the tires are stored in trailers until manually loaded into the 40' Live Bottom Hopper.

Access to the facility is controlled through the use of security personnel on site 24 hours per day, 7 days per week, fences and natural barriers.

When tires arrive at the facility during normal business hours the incoming vehicles check in with the receiving department, who checks for a current tire collector permit decal. Any vehicle that does not have a valid tire collector permit decal will not be accepted at the site. For off-hour deliveries, the control room operator will have a plant attendant check the truck in, and direct the driver where to leave the trailer at the storage area.

Records of the daily tonnages received, combusted, and returned to vendor will be reviewed weekly to ensure that the facility does not exceed the allowable storage quantity.

PROCESSING

This section provides a description of the equipment used for processing tires. The facility is defined as a tire processing facility by Rule 62-701.200(129), F.A.C., because equipment is used to burn tires so that they are no longer whole. However, the facility burns only whole tires – not processed tires. Coarse separation means separating the tires into a single file. “Refinement” of the tires means rejecting tires not meeting size specifications and spacing the tires along the conveyor to meet the supplemental fuel needs of the kiln.

The truck drivers are employees of the tire collector. The tire delivery arrangement with the tire collector requires that only whole tires are delivered to prevent unacceptable tires from being loaded into the 40’ Live Bottom Hopper.

Tires are manually unloaded from trailers into the 40’ Live Bottom Hopper. The trailers are backed up to the 40’ Live Bottom Hopper. The 40’ Live Bottom Hopper conveys the tires to the Rotary Disk Tire Separator. The Rotary Disk Tire Separator is for coarse separation, to separate tires that may have stuck together, and feeds them onto the Separator Inclined Discharge Belt, which conveys tires and debris up to a platform where the debris drops off the end of the conveyor, into a receptacle, and the tires are conveyed onto the Tire Separation, Refinement, and Accumulation Roller Conveyor used for the separation and refinement, for automatic sensing of the tires are of proper size for continued feeding in the system and to ensure the tires are in a single-file row and accumulated. The level of tire accumulation will also control the Rotary Disk Tire Separator by turning it on when the level is low and off when the level is high. The Tire Separation, Refinement, and Accumulation Roller Conveyor allows only one tire at a time to be discharged onto the Tire Rejection Roller Conveyor for tire sizing in this area. Any tires not meeting the proper specification regarding size are discharged from the Tire Rejection Roller Conveyor. When a tire is located on the Tire Rejection Roller Conveyor and does not meet the size specifications the conveyor diverts the reject tire to the reject bin for return to the tire vendor. The system is equipped with opposed-mode photo

sensors for determining dimensionally oversized and undersized tires. Tires of undesirable size will be diverted from the Tire Rejection Roller Conveyor. This is a motor-driven automatic process. Undesirable size as it is used in this section means tires with a diameter larger or smaller than the typical passenger car size tire. Incoming tires removed by the “Tire Rejection Roller Conveyor” are discharged into the collection area, for manual loading into the tire vendor’s trailer and returned to the vendor.

The tires meeting size specifications are then conveyed to the kiln preheater by two inclined belt conveyors in series, the Upper Elevation Belt #1 and the Upper Elevation Belt #2. The tires are then transferred to a Weight Scale at the kiln to accurately supply the kiln with the necessary tire fuel quantity. The tires are then inserted into the kiln via an Airlock Valve.

The combustion rate of tires is limited by the facility’s Air Construction Permit to 15% of the maximum fuel firing rate or a total BTU input equivalent to 2.5 tons per hour of whole tires. The 40’ Live Bottom Hopper has a capacity of approximately 1000 car passenger tires. The typical feed rate is approximately 3-4 tires per minute. See pages 12-15 for Engineering Calculations

- 40’ Live Bottom Hopper
- Rotary Disk Tire Separator
- Separator Inclined Discharge Belt
- Tire Separation, Refinement, and Accumulation Roller Conveyor
- Tire Rejection Roller Conveyor
- Upper Elevation Belt #1
- Upper Elevation Belt #2
- Weight Scale
- Airlock Valve

STORAGE

This section provides a description of how the operator will maintain compliance with each of the storage requirements of Rule 62-711.540, F.A.C. This section also provides a description of how 75% of the annual accumulation of tires will be removed for disposal or recycling.

Tires are stored at one location at the site, the tire trailer storage area in enclosed trailers. The total tire storage at the site is limited to 80.4 tons at any time, and tires are typically received and stored in 8' by 45' enclosed trailers. The trailers typically hold approximately 13 tons of tires. Obviously, load sizes and trailer capacities vary. All of the tires are stored in trailers and are not unloaded until they are used. The facility storage capacity may be described by the following scenarios:

- A. $80.4 \text{ tons} / 13 \text{ tons/trailer} = 5 \text{ trailers plus } 15.4 \text{ tons in handling system}$
- B. Combination of trailer storage and tire handling system not to exceed 80.4 tons facility-wide total.

Tires not meeting the required specifications are returned to a trailer for removal by the tire vendor. This trailer is included in the five trailer calculation above. During steady-state operation, the storage limit can be met by limiting onsite storage as follows:

5 full trailers x 13 tons/trailer =	65 tons
<u>15.41 tons of tires in system =</u>	<u>15.4 tons</u>
Total =	80.4 tons

This section provides calculations that include all tire storage in the handling system (including hoppers, accumulation conveyors, etc.).

Item	Qty. Tires
Live Bottom Hopper	1000
Rotary Disk Tire Separator	30
Separator Inclined Discharge Belt	15
Tire Separation & Refinement Roller Conveyor	35
Tire Rejection Roller Conveyor	60
Upper Elevation Belt #1	150
Upper Elevation Belt #2	150
Weight scale	1
Rejected tires	100
TOTAL	1541
Tons @ 20 lbs/tire	15.41

Market conditions will dictate the quantity of tires received. The quantity of tires stored at the facility will not exceed 80.4 tons. This amount is more limiting than that allowed by Rule 62-711.530(2)(a), F.A.C., which allows that amount of tires that the equipment is capable of combusting over a thirty (30) day period.

$$2.5 \text{ tons/hour} \times 24 \text{ hours/day} \times 30 \text{ days} = 1800 \text{ tons of tires}$$

Since no more than 80.4 tons of tires can be stored on site the requirement of 75% of disposal or recycling of annual accumulation is easily met. 75% of the maximum number of tires can be used as fuel within 24 hours, or returned to the tire collector in five trailers. See page 12-15 for Engineering Calculations.

American Cement Company, LLC will not need to provide control of mosquitoes and rodents to protect the public health and welfare since the tires will be store inside enclosed trailers until placed into the tire feed system as fuel.

All the tires remain in the trailers until just before they are loaded onto the 40' Live Bottom Hopper and none will be stored on the ground. The handling area is managed in such a way as to divert stormwater or floodwaters around, off and away from the Tire Trailer Storage Area and the Tire Processing Facility. These areas are contained within the drainage area for Pond 4, as shown on the Facility Plot Plan.

RESIDUALS

There is no waste from the combustion of whole tires as a fuel in the cement manufacturing process. Entire whole tires are combusted within the kiln environment. Particulate matter captured by the kiln system control device remains in the system, and becomes integral to finished cement. Rejected tires are loaded into a trailer for disposal by the tire vendor. Wooden pallets and waste rags are not encountered in the operation of the tire processing facility.

American Cement Company, LLC contracts with registered tire collectors for whole tires, and retains the right of refusal for any tires that are unsuitable for combustion in the cement kiln. Whole tires rejected by the system are loaded back into the trailer and returned to the vendor. These items are loaded by plant personnel or tire vendor driver. The rejected tire area is checked at least once every 8 hours, and rejected tires are loaded into a trailer as necessary. Where possible, such tires are loaded into the same trailer they are delivered in.

Each trailer is logged into the computer system. The computer will allow the tracking of materials for returns. There will be no piles of rims or scraps. The storage time for rejected tires in a trailer for removal by the tire vendor will be less than one month. This trailer is included in the five trailer maximum storage quantity.

OTHER ENVIRONMENTAL PERMITS

As tires will be consumed at the facility, this section provides a description of the other environmental permits that the applicant has for this use. The current Air Permit allows the use of tires as fuel.

Air Permit No. PSD-FL-361/Project No. 1190042-007-AV

Date of issue: November 11, 2011

Name of issuing agency: State of Florida, Department Of Environmental Protection, Bureau of Air Regulation

SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

C. Pyroprocessing System

EQUIPMENT AND CONTROL TECHNOLOGY

*3. Pyroprocessing System: The permittee is authorized to construct a pyroprocessing system consisting of a dry process pre-heater/calcliner rotary kiln with in-line raw mill that simultaneously dries raw materials using the exhaust gas from the kiln, PH/C, or cooler. The preheater is designed with a staged combustion calciner and a selective non-catalytic reduction (SNCR) system. The indirect-fired kiln with low-NOX main kiln burner will be capable of burning coal, petroleum coke, natural gas, used oil, and fuel oil. **A tire feed mechanism with an airlock/gate system will be capable of feeding tire derived fuel (TDF) into the area just prior to the kiln exhaust.***

[emphasis added]

ENGINEERING CALCULATIONS

ENGINEERING CALCULATIONS

ENGINEERING CALCULATION SYNOPSIS

1. Title V Air Construction Permit Firing Capacity Limits

- 1,440 MMBtu/day
- 60 MMBTU/ hour

2. Tire Btu Characteristics

- 0.24 MMBtu/tire
- Max Feed Rate = 2.5 tons tires/hour

3. Supply/Storage Trailer Characteristics

- 1,300 tires/trailer or 13 tons/trailer
- Max Feed Rate = 4.6 trailers/day

4. Tire Feed System Characteristics

- Design Max Feed Rate = 6.0 tires/minute
- Permitted Max Feed Rate = 4.17 tires/minute

5. Tire Storage Characteristics

- Four (4) full trailers and a partial trailer of tires/day for fuel
- One (1) partial trailer for accumulation of off-spec size tires

6. Maximum Amount of Tires Onsite

- 8,041 tires on site
- 80.41 tons tires on site

7. Tires Onsite vs. Daily Tire Feed Rate

- 1.34 Days of tire supply on site

8. 75% Tire Removal/Usage Requirements

- Removal of 75% of tires with 5 trailers
- Usage of 75% of tires in 24.1 hours

1. Title V Air Construction Permit Firing Capacity Limits:

- Pyroprocessing (Kiln and Calciner) firing capacity:
 - 9,600 MMBtu/day
 - $9,600 \text{ MMBtu/day} / 24 \text{ hr/day} = 400 \text{ MMBtu/hr}$
- Title V Pyroprocessing tire fuel offset:
 - 15% of maximum firing capacity
 - $9,600 \text{ MMBtu/day} \times 15\% = 1,440 \text{ MMBtu/day}$
 - $1,440 \text{ MMBtu/day} / 24 \text{ hr/day} = 60 \text{ MMBtu/hr}$

2. Tire Btu Characteristics:

- TireBtu:
 - 12,000 Btu/lb
- Tire weight (Passenger) = 20 lb/tire
 - $2,000 \text{ lb/ton} / 20 \text{ lb/tire} = 100 \text{ tires/ton}$
- Tire Btu Value:
 - $12,000 \text{ Btu/lb} \times 20 \text{ lb/tire} = 240,000 \text{ Btu/tire}$
 - $240,000 \text{ Btu/tire} / 1,000,000 = 0.24 \text{ MMBtu/tire}$
- Maximum Tire Throughput:
 - $1,440 \text{ MMBtu/day} / 0.24 \text{ MMBtu/tire} = 6,000 \text{ tires/day}$
 - $60 \text{ MMBtu/hr} / 0.24 \text{ MMBtu/tire} = 250 \text{ tires/hr}$
 - $250 \text{ tires/hr} / 100 \text{ tires/ton} = 2.5 \text{ tons tires/hr}$

3. Supply / Storage Trailer Characteristics:

- Trailer contains:
 - $1,300 \text{ tires} (1,30 \text{ tires} \times 20 \text{ lb/tire}) / 2000 \text{ lb/ton} = 13 \text{ tons of tires}$
- $1,300 \text{ tires/trailer} / 250 \text{ tires/hr} = 5.2 \text{ hr/trailer}$
 - $24 \text{ hr/day} / 5.2 \text{ hr/trailer} = 4.6 \text{ trailers/day}$

ENGINEERING CALCULATIONS

4. Tire Feed System Characteristics:

- Design maximum throughput = 6 tires/min
- Required maximum throughput:
 - $250 \text{ tires/hr} / 60 \text{ min/hr} = 4.17 \text{ tires/min}$
- Tire Capacity of Tire Feed System:

<u>Equipment</u>	<u>Number of Tires</u>
Live Bottom Hopper	1,000
Rotary Disk Tire Separator	30
Separator Incline Discharge Belt	15
Tire Separation & Refinement Roller Conveyor	35
Tire Rejection Roller Conveyor	60
Upper Elevation Belt #1	150
Upper Elevation Belt #2	150
Weight Scale	1
<u>Rejected Tires</u>	<u>100</u>
Total Number of Tires in System	1,541

$$(1,541 \text{ tires} \times 20 \text{ lb/tire}) / 2,000 \text{ lb/ton} = 15.41 \text{ tons tires}$$

5. Tire Storage Characteristics:

- To supply maximum throughput of 1,440 MMBtu/day with 6,000 tires/day contained in trailers with 1,300 tires each would require five (5) trailers available onsite. The Tire Feed System rejects tires not within size specifications and conveys them into a holding bin. This holding bin is then emptied into the trailer the reject tires were delivered in for return to the supplier.
- Maximum Onsite Storage = 5 trailers with up to 13 tons tires/trailer
- Maximum 5 trailers x 13 tons tires/trailer = 65 tons of tires onsite in trailers

6. Maximum Amount of Tires Onsite:

- Supply and Reject Trailers:
 - 5 Trailers x 1,300 tires/trailer = 6,500 tires
- Tire Feed System (completely full)
 - 1,541 tires
- Maximum Tires Onsite:
 - 6,500 supply tires + 1,541 tires in system = 8,041 tires onsite
 - $(8,041 \text{ tires} / 20 \text{ lb/tire}) / 2,000 \text{ lb/ton} = 80.41 \text{ tons tires onsite}$

ENGINEERING CALCULATIONS

7. Tires Onsite vs. Daily Tire Feed Rate:

- $80.41 \text{ tons tires onsite} - 60.00 \text{ tons tires/day throughput} = 20.41 \text{ tons tires onsite at end-of-day}$
- With maximum onsite storage and maximum tire feed system throughput there is 1.34 day's supply of tires onsite.
 - $20.41 \text{ tons tires} / 60.00 \text{ tons tires/day} = 34\% \text{ of daily throughput}$

8. 75% Tire Removal/Usage Requirement:

- 75% of maximum number of tires onsite:
 - $8,041 \text{ tires onsite} \times 75\% = 6031 \text{ tires requiring removal/usage}$
 - $(6,031 \text{ tires} \times 20 \text{ lb/tire}) / 2,000 \text{ lb/ton} = 60.31 \text{ tons tires}$
- 75% Removal:
 - The 60.31 tons of tires onsite can be removed with five (5) trailers.
 - $60.31 \text{ tons of tire} / 13 \text{ tons tire/trailer} = 4.64 \text{ trailers}$
- 75% Usage:
 - The 60.31 tons of tires onsite can be used as kiln fuel in 24.1 hours.
 - $60.31 \text{ tons of tires onsite} / 2.50 \text{ tons tires/hr throughput} = 24.12 \text{ hr.}$

ATTACHMENT 6
EMERGENCY PREPAREDNESS
PLAN
(Hazardous Materials Emergency and Contingency Plan)

American Cement Company, LLC.

**Hazardous Materials Emergency and
Contingency Plan**

September 2014

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Introduction

This Hazardous Materials Emergency and Contingency Plan details the minimum steps that must be taken by all employees when responding to an incident involving a hazardous material spill or other emergencies. The goal of the plan is provide employees with safe and effective methods to prevent and control hazardous material spills, which pose a potential threat the human health and/or the environment and to notify the appropriate emergency service provider for assistance, where necessary. The provisions of this plan must be carried out immediately whenever there is a fire, explosion, or unplanned sudden or non-sudden release of a hazardous substance to air, soil, or water is noticed. Intentional or negligent spills of hazardous materials will not be tolerated and may result in disciplinary action in accordance with company policies.

Employee awareness and management support are essential to spill prevention and the control of spills that may occur. This Plan is presented as a general guideline to minimize adverse effects to human health and the environment in the event of an unintended release of a hazardous material.

Emergency Services Coordination

The Sumterville Fire Department will respond to fire and medical emergencies and facilitate the care and transportation of injured personnel to appropriate medical facility. Local medical facilities are aware of the potential emergency needs through the routine activities of worker's compensation care and claims. Direct contact has been made with the Urgent Care of Sumterville, and Leesburg Regional Medical Center.

Spill Prevention

The prevention of hazardous material spills is the ultimate goal, however, the areas where large quantities of hazardous materials are stored and/or dispensed are susceptible to minor spills during normal operations. The periodic inspection of tanks and associated pumps, valves, piping, hoses, and containment structures, is essential to good spill prevention measures. Minor leaks at or near these locations can be managed with absorbent materials and/or drip pans while arrangements are made to repair or replace defective parts.

At locations where bulk loads of hazardous material are unloaded, there must be adequate provisions to control the potential of spillage during the coupling and uncoupling of hoses. The unloading must be monitored at all times. The drivers will typically monitor the offloading pump, hoses and coupling during this process. A key element of this process is to make sure that there is adequate space in the tank or container for the delivery volume. In the event the tank is not equipped with automatic overfill protection, care must be taken to prevent over filling the tank.

Designated hazardous material storage locations must be inspected, by a competent person, at least once a month and more frequently as warranted by site conditions. The results of the inspection must be documented and any deficiencies must be corrected as soon as possible.

Good housekeeping around hazardous material storage areas must be maintained clean and tidy at all times. The accumulation of combustible or incompatible materials must not be allowed. Minor spills from dispensing hoses, pumps, valves, or piping must be addressed immediately upon discovery and the source of the leak must be controlled. Minor spills on metal or concrete surfaces may present a slip hazard and should be cleaned up as soon as practical. The spill of a combustible material may present a fire hazard. It is the responsibility of all employees to report and/or take immediate corrective action in regard to spills or potential spills of hazardous materials.

Spill Reporting

An emergency coordinator should be contacted, whenever there is an imminent or actual emergency. These individuals will be responsible for insuring employee safety, spill cleanup/recovery, coordinating the appropriate emergency services, and the initial reporting of the spill. The safety and well being of all employees will be the first priority. The emergency coordinator will have the authority to commit the resources necessary to control, contain, and/or cleanup the spilled material. When it becomes necessary, contacting the emergency coordinator will proceed in accordance with the following mandatory notification list.

<u>Emergency Coordinators</u>	<u>Order of Contact</u>	<u>Contact Phone Number</u>
William Wall Plant Manager	1	(352) 502-1136 - Cellular Radio
Terrance Lyons Production Manager	2	(352) 603-9323 - Cellular Radio
David Reed Electrical & Instrumentation Manager	3	(352) 216-0064 - Cellular Radio
Charles Robertson Environmental Manager	4	(352) 569-2217 - Office (352) 365-9059 - Home

The progression of notification shall proceed as indicated until an emergency coordinators is contacted that is available for immediate response. Once on scene, the emergency coordinator will determine the need for contacting additional emergency coordinators. However, the Environmental Manager shall be contacted in all cases. The Environmental Manager will determine the need for and make the appropriate notifications and reports to regulatory agencies.

Spill Response Equipment Location

The attached plot plan (Appendix 3) identifies buildings, process locations, hazardous material storage areas, and the location of spill equipment. In addition to the spill equipment the operation has several types of heavy equipment such as dozers and front-end loaders that may be used to construct berms and impoundments to contain large spills and facilitate cleanup, when necessary.

Storm Water Management System

This facility is designed to manage the storm water from rainfall events with zero discharge to off property surface water features. A series of Stormwater retention ponds collect all, in plant, rainfall run off. Furthermore, the perimeter elevation of the facility is higher than adjacent land surfaces to prevent any off site runoff.

Hazardous Materials Storage

The various hazardous materials stored in the facility are listed below and their location is depicted on the plot plan (Appendix 3). Tanks are all constructed of materials compatible with the contents and are of double walled construction or have other appropriate secondary containment for potential spills. Where required, storage tanks are equipped with leak detection, high level alarm, overfill protection, and/or a level indicator. All tanks are above ground and are inspected at least once a month for product tightness and housekeeping.

- Above Ground Storage Tanks: Plot Plan #34

- 20,000 Gal. On-Spec Fuel Tank
- 20,000 Gal. On-Spec Fuel Tank
- 10,000 Gal. Off-Road Diesel Tank
- 10,000 Gal. 19.5% Ammonia Tank
- 7,000 Gal. Grinding Aid Tank
- 7,000 Gal. Grinding Aid Tank
- 660 Gal. Diesel Fuel Tank

- Coal Storage Building: Plot Plan #15
- 6,000 tons Coal

Oil Storage Areas:

- Finish Mill Building: Plot Plan #11
- 4,000 Liter (1,056 Gal.) Finish Mill Gearbox
- 2,000 Liter (528 Gal.) Hydraulic Oil Tank
- 540 Liter (143 Gal.) Hydraulic Oil Tank

- Clinker Cooler Hydraulic Room: Plot Plan #8
1,600 Liter (422 Gal.) Hydraulic Oil Reservoir
- Coal Mill Hydraulic Room: Plot Plan #16
160 Liter (42 Gal.) Hydraulic Oil Tank
- Coal Mill Gearbox: Plot Plan #16
460 Liter (121 Gal.) Coal Mill Gearbox
- Raw Mill Building: Plot Plan #2
2,450 Liter (647 Gal.) Raw Mill Gearbox
240 Liter (63 Gal.) Hydraulic Oil Tank
240 Liter (63 Gal.) Hydraulic Oil Tank
240 Liter (63 Gal.) Hydraulic Oil Tank
240 Liter (63 Gal.) Hydraulic Oil Tank
400 Liter (105 Gal.) Hydraulic Oil Tank
400 Liter (105 Gal.) Hydraulic Oil Tank
- Raw Material Storage (RMS) Reclaimer: Plot Plan #1
200 Liter (53 Gal.) Chain Lube Tank
- Quarry Maintenance Shop: One (1) Mile North of RMS Building
6 – 55-gallon drums of oil

Gas Cylinder Storage Areas:

- South of Homogenizing Silo, Ground Floor: Plot Plan #3
Hydrogen
Propane
Oxygen
Acetylene
Nitrogen
- Preheater Tower 5th Floor: Plot Plan #4
CEMS Gasses
- Preheater Tower 6th Floor: Plot Plan #4
Hydrogen
CEMS Gasses

Emergency Spill Materials

Emergency spill materials are located in the Maintenance Warehouse for easy access and availability.

Emergency spill materials are located at the Quarry Maintenance Shop.

Spill Quantity

A spill is defined as an unexpected and unplanned release of a hazardous material from a container or tank. Operationally, spills of hazardous materials will be divided into two categories, small and large. A small spill is defined as greater than one (1) gallon but less than five (5) gallon. A small spill should be cleaned up immediately, by the employee(s) involved, and then reported to the Environmental Manager for follow up.

A large spill is defined as greater than five (5) gallons. In the case of a large spill efforts must be made to stop the flow of material and contain the spill. The area of the spill should be barricaded immediate to keep personnel and/or equipment out of the area until cleanup activities are initiated. Report the incident to an emergency coordinator. The emergency coordinator will then determine the next level of response and take the actions necessary to insure spill containment and cleanup of the spill. The Environmental Manager must always be contacted so appropriate regulatory notifications can be made, if required, and oversight of the clean-up.

The unexpected or unplanned release of compressed gas will be treated as large spill. In the case of compressed gas, where there is no safe provision to turn off the flow of the gas, do not approach the tank. Notify all personnel that may be exposed to the gas, evacuate as needed, and allow the gas to vent. If the gas is flammable, be sure that potential sources of ignition are extinguished and that mobile equipment is not allowed to enter the area where the gas is venting.

A leak or a release from a container via a puncture or other small opening or a weak spot in the container must be sealed or the material must be placed in another appropriate container. Container leaks will be treated as small spills unless they result in a rapid discharge of material in excess five (5) gallons.

Spill Response

Prior to the spill response obtain proper personal protective equipment (PPE) suitable for the material involved. If there are any questions as to the type of PPE needed, refer to the material safety data sheet for the material. Binders containing MSDS sheets are located outside the safety office. The level of protection required may be influenced by the quantity and type of material spilled. When there are valves/piping involved, and if can safely be done, an attempt should be made to stop the flow of the material and then limit the dispersal of the material with absorbent materials or soil. All employees that are not involved in the spill response must be kept out of the spill area. Whenever it is practical any usable hazardous material should be recovered and retained for its intended use.

Spill Recovery/Cleanup

All material used for cleanup and any contaminated soil, resulting from the spill, should be containerized as soon as possible. Generally a fifty-five (55) gallon open top drum, with a lid and lock ring, should be used for this purpose. Larger containers such as roll-off boxes may be needed to minimize the number of drums needed. Based on product knowledge and/or the MSDS

sheet, a determination will be made as to the type of waste generated. Non-hazardous and hazardous will be managed in accordance with applicable local, state, and federal regulations.

Fire/Explosion

Immediately report any fire or explosion to the shift supervisor and if any injuries are involved, the well being of those involved is the first concern. Only after reporting the fire should you attempt to extinguish it; again evacuate those not involved in controlling the fire. If it can safely performed, approach the fire with available portable fire extinguishers. Preferably, there should be at least two people involved in extinguishing the fire to minimize the potential for a single person to need aid or assistance and there is no one around. If the fire has not been extinguished with one (1) or two (2) fire extinguishers the fire department should be called using the 911 emergency services number and follow the instructions below:

Fire Reporting to Sumterville Fire Department

When an employee becomes aware a fire cannot be extinguished with fire extinguishers then:

- Contact the Control Center via radio
- Control Center personnel will dial 911 to notify the Sumter County Fire Department
- Control Center personnel will contact all Emergency Coordinators via radio or telephone
- All personnel near the fire shall be evacuated to a safe gathering point.
- Personnel will be accounted for, if possible, prior to Fire Department arrival.
- The guard on duty will be notified at telephone extension 2042 to allow entry of Fire Department personnel and equipment.
- An Emergency Coordinator or designee will meet Fire Department to direct to fire location via most expedient route, and report of personnel not accounted for.
- If the fire involves the Waste Tire System the Environmental Manager will contact FDEP, Central District, Solid Waste Program, of the incident via telephone (attachment 1, Verbal Form), and follow-up with a written report (attachment 2, Written Form) within two weeks.

<u>Emergency Coordinators</u>	<u>Order of Contact</u>	<u>Contact Phone Number</u>
William Wall Plant Manager	1	(352) 502-1136 - Cellular Radio
Terrance Lyons Production Manager	2	(352) 603-9323 - Cellular Radio
David Reed Electrical & Instrumentation Manager	3	(352) 216-0064 - Cellular Radio
Charles Robertson Environmental Manager	4	(352) 569-2217 - Office (352) 365-9059 – Home

Injuries

If a serious injury results, from any incident, the emergency services number, 911, should be called immediately. A victim should not be moved unless they are in a position or location that exposes them to further injury. If the victim must be moved *always* assume a neck/spinal injury and handle them accordingly to prevent movement of the head, neck, or spine. When placing the call give brief description of the incident, the number of employees involved, your location or address, your name, and telephone number. Again, do not hang up until you are sure the person on the other end of the line has all the information they need. They may also give you instructions on the care of the injured until the arrival of emergency services. When the emergency service personnel has attended to the injured, ask them to which medical facility they will be transporting the injured. Be sure that a family member of the injured person(s) is notified of their injury and the facility they were transported, as soon as possible.

Container Management

For the purposes of this plan a container will be defined as 65 gallons or less. All containers shall be of substantial construction and compatible with the material stored and must be labeled as to the contents, regardless of the size of the container. The label of a container must be maintained in legible condition until it is empty. Whenever, material is transferred from the original container into another container. The receiving container must be labeled with names of the material. All containers must be capable of being sealed with a cap or lid, free of holes, and in good condition. When open top containers are used to drain fluids or oil from equipment, it should be filled no more than three-quarters (3/4) full. The materials should be immediately transferred, after sealing with lid and ring tightened, to a tank or closed top container. Do not leave open top containers at the job site or in areas not protected from the rain or other sources of water.

When a container is empty, and intended to be used as a storage container, it should be labeled empty. If the drum is returnable for deposit it should be transported to the approved holding location for return drums. If the drum is not returnable transport to the nearest waste / recyclable materials storage area for re-use.

Employee Awareness Program

This plan will be distributed to managers and supervisors and will be incorporated into routine training session for plant employees.

Record keeping

The Environmental Manager will maintain records relating this plan and when necessary make the required reports to regulatory agencies.

APPENDIX 1

VERBAL EMERGENCY INCIDENT REPORT

FDEP, Central District, Solid Waste Program at telephone number: 407-897-4300

Date of Incident: _____

Verbal Notification by: _____

Verbal Notification to: _____

Description of Emergency: _____

Actions Being Taken to Deal with Emergency: _____

Follow-up:

Within two weeks of any emergency, the operator of the site shall submit to the Department (FDEP Solid Waste Program) a written report on the emergency.

- F.A.C. 62-711.540(f)

APPENDIX 2

WRITTEN EMERGENCY INCIDENT REPORT

Date of Incident: _____

Verbal Notification by: _____

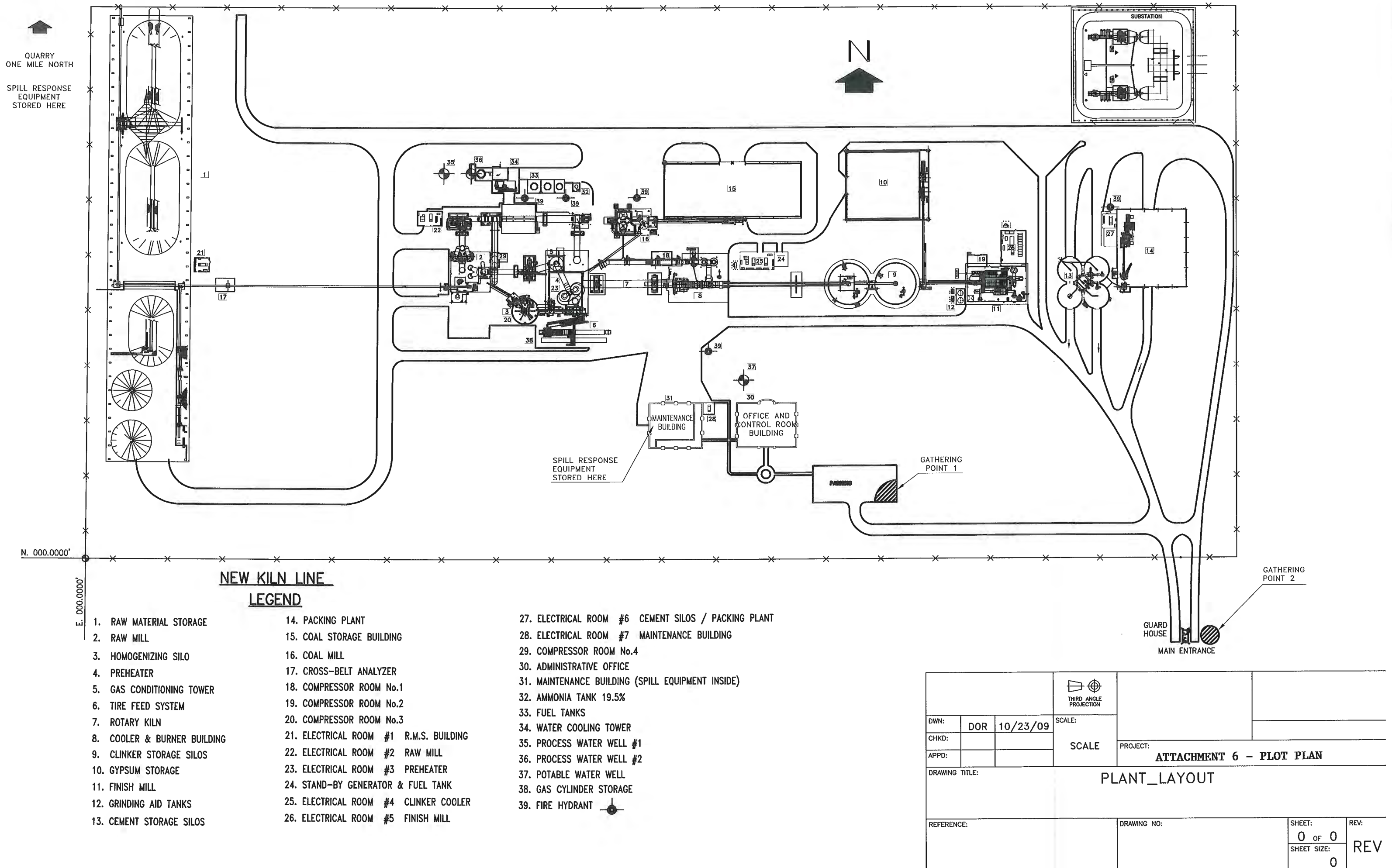
1. Describe origins of emergency:
2. Actions taken to deal with emergency:
3. Results of actions taken:
4. Success and Failure Analysis of event:
 - a. Successes:
 - b. Failures:
 - c. Analysis and Improvements:

Instructions for use:

Within two weeks of any emergency, the operator of the site shall submit to the Department (FDEP Waste Section) a written report on the emergency.

- F.A.C. 62-711.540(f)
- FDEP, Central District, Solid Waste Program
3319 Maguire Blvd., Suite 232
Orlando, FL 32803-3767

APPENDIX 3



ATTACHMENT 7
FIRE SAFETY SURVEY



Sumter County Fire Rescue
Fire & Life Safety Inspection

Date	11/6/2013	Time	11:30	Date of Last Inspection	10/26/2012		
Address	4750 E CE 470 Sumter Flc						
Name of Business	American Cement						
Contact Person	Charles Robertson			Phone No.	369-5393		
Type of Occupancy	Existing Ind - Fire NFPA 101 Chap.						
Type of Construction	Type II			Number of Stories	24		
1. General	Yes	No	N/A	9. Protection of Vertical Openings	Yes	No	N/A
Bldg. Altered or renovated since last Insp.?				Ceiling tiles missing or broken?			
Is building mixed occupancy?				Ducts and pipes properly sealed at ceiling?			
What other occupancies?				10. Interior Finish			
Building construction acceptable?				Wall and ceiling materials per code?			
2. Occupant Load and Exits				Is interior finish per code?			
Are exits per code?				Fixed Seating			
Number of exits? 1 2 3 4 or more				Are curtains and drapes per code?			
Is egress capacity adequate?				Floor finish per code?			
Fire rating of exit stair enclosure 1 hr 2 hr				11. Operating Features			
Fire rating of exit stair door 1 hr 1 1/2 hr				Is there a written emergency plan?			
Doors self-closing?				Are fire drills conducted?			
Latching door hardware?				Number of fire drills conducted per year			
Exit enclosures free of storage?				Are employees instructed in fire ext. use?			
Do 100% of exits discharge directly outside?				Has evacuation / relocation been established?			
Do 50% of exits discharge directly outside?				Is there daily inspection of exits?			
Is exit discharge level?				12. Alarm and Detection			
Is exit discharge sprinklered?				Is there a manual alarm system?			
Is stair entry per code?				Is there a fire detection system?			
3. Doors				Smoke detectors			
Are doors blocked?				Heat detectors			
Are doors locked?				Audible alarm			
Is ≤15-lb force required to release latch?				Visual alarm			
Doors open in direction of travel?				Alarm system within certification?			
Is there panic hardware per code?				Is alarm system monitored 24 hours a day?			
4. Egress Arrangement				Number and location of pull stations per code?			
Is egress clear and unobstructed?				13. Extinguishment			
Are dead-end corridors within limits?				Is the building sprinklered throughout?			
Is common path of travel within limits?				Partial sprinklers			
Is travel through intervening rooms okay?				Is there a water flow alarm?			
Is egress blocked?				Are the valves supervised?			
Is aisle width adequate?				Is there a standpipe?			
Is travel distance per code?				Is the sprinkler system within certification?			
5. Emergency Lighting				Is there a fire pump?			
Is emergency lighting per code?				Date of last pump test			
Is it tested monthly?				Number of fire extinguishers within code?			
6. Exit Marking				Travel distance for fire extinguisher per code?			
Is exit marking per code?				Are fire extinguishers within certification?			
7. Corridors				Are fire extinguishers mounted properly?			
Is 1 - hr rating required?				Are fire extinguishers accessible?			
Is rating 1-hr corridor walls w/ 20 min. doors?				14. Building HVAC & Utilities			
8. Protection of Hazards				Are Utilities in good working order?			
Hazards protected by fire rate enclosure?				Emergency shut-offs/circuit breakers labeled?			
Hazards protected by ext. sys.?				Is there an emergency generator?			
Hazards protected by self-closing door?				Date last tested			
Is kitchen cooking protected?				LP Gas Tanks, Location & Condition			
Kitchen hood and duct last cleaned				LP Gas Meter & Shutoff			
9. Protection of Vertical Openings				Electrical MDP per code?			
Are vertical openings enclosed?				Electrical wiring			
Are elevators enclosed?				Acceptable Use of Electrical Extension Cords			
Is atrium per code?				Acceptable Use of Power Strips			
Are ≤ 3 levels open per code?				Elevator recall (phase I)?			

ATTACHMENT 7

Follow-up work from 2013 Fire Inspection

From: Charles Robertson [<mailto:crobertson@americancementcompany.com>]

Sent: Wednesday, November 06, 2013 12:23 PM

To: 'Richard Blanche'

Cc: 'Bill.Richards@sumtercountyfl.gov'

Subject: Fire Extinguisher- Tire System Ground Floor

Rich:

Please install a fire extinguisher 20 lb size on the ground floor near the tire system.

This deficiency was found during the 2013 SCFR Annual Tire System Audit by Bill Richards and Corey Lyons.

Thanks,

Charlie



Picture of Fire Extinguisher Installed

PART III

**SECTION C– CLOSING COST ESTIMATES
and
SECTION D - FINANCIAL ASSURANCE**

Note: Rule 62-711.700(2) and (3) was repealed on February 16, 2012. Therefore this section addresses the required closing cost estimates and financial assurance as required by the applicable sections of the current Rule 62-711.500(3).

C. Completed closing cost estimates as required by Rule 62-711.500(3) FAC.

The facility's closing cost estimates are provided as Attachment 8.

D. Proof of financial assurance as required by Rule 62-711.500(3)(a)

Copies of the most recent documents associated with the financial assurance update are provided in Attachment 8. The closing cost estimate was increased from \$4298 to \$4824. Based on the updated cost estimate prepared for this application, and to cover inflation adjustments and future estimates required by this permit, American Cement updated the financial assurance instrument (bond) from \$4298 to \$10,000 by obtaining a Rider. The proof of financial assurance, including the Rider, is provided in Attachment 8.

ATTACHMENT 8

CLOSING COSTS AND PROOF OF FINANCIAL ASSURANCE



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: American Cement Tire Processing Facility WACS ID: 98523

Permit Application or Consent Order No.: Renewal of 297136-001-WT/02 Expiration Date: 04/07/2015

Facility Address: 4750 East County Road 470, Sumterville, FL 33585

Permittee or Owner/Operator: American Cement Company, LLC.

Mailing Address: P.O. Box 445, Sumterville, FL 33585

Latitude: 28° 45' 38" Longitude: 82° 01' 35"

Coordinate Method: _____ Datum: _____

Collected by: _____ Company/Affiliation: _____

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
Not Applicable	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: Tire Processing Facility

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.
Temple 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: _____

Latest Department Approved Closing Cost Estimate:	Current Year Inflation Factor, e.g. 1.02		Inflation Adjusted Closing Cost Estimate:
_____	× _____	=	_____

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

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:
_____	× _____	=	_____
Number of Years of Long Term Care Remaining:		×	_____
Inflation Adjusted Long-Term Care Cost Estimate:		=	_____

Signature by: ☐ Owner/Operator

Engineer

(check what applies)

Signature

Address

Name & Title

City, State, Zip Code

Date

E-Mail Address

Telephone Number

☒ **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.

DEP FORM 62-701.900(28)
Effective January 6, 2010

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	_____	_____
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	_____	_____
Certified Engineering Drawings	LS	1	_____	_____
NSPS/Title V Air Permit	LS	1	_____	_____
Final Survey	LS	1	_____	_____
Certification of Closure	LS	1	_____	_____
Other (explain) _____	_____	_____	_____	_____
Subtotal Engineering:				_____

Description	Hours	Cost / Hour	Hours	Cost / Hour	Total Cost
11. Professional Services					
	<u>Contract Management</u>		<u>Quality Assurance</u>		
P.E. Supervisor	_____	_____	_____	_____	_____
On-Site Engineer	_____	_____	_____	_____	_____
Office Engineer	_____	_____	_____	_____	_____
On-Site Technician	_____	_____	_____	_____	_____
Other (explain) _____	_____	_____	_____	_____	_____

Description	Unit	Number of Units	Cost / Unit	Total Cost
Quality Assurance Testing	LS	1	_____	_____
Subtotal Professional Services:				_____

Subtotal of 1-11 Above: _____

12. Contingency _____ % of Subtotal of 1-11 Above
Subtotal Contingency: _____

Estimated Closing Cost Subtotal: _____

Description	Total Cost
13. Site Specific Costs	
Mobilization	_____
Waste Tire Facility	\$4,824.00
Materials Recovery Facility	_____
Special Wastes	_____
Leachate Management System Modification	_____
Other (explain) _____	_____
Subtotal Site Specific Costs:	\$4,824.00

TOTAL ESTIMATED CLOSING COSTS (\$): \$4,824.00

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, ____ 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				
<u>Maintenance</u>				
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	_____	_____
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	_____	_____
Subtotal Storm Water Management System Maintenance:				_____
11. Security System Maintenance				
Fences	LS	1	_____	_____
Gate(s)	EA	_____	_____	_____
Sign(s)	EA	_____	_____	_____
Subtotal Security System Maintenance:				_____

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
12. Utilities	LS	1		
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		

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.

Veronica H. Sgro
Signature

4014 NW 13th Street
Mailing Address

Veronica Sgro, P.E.
Name and Title (please type)

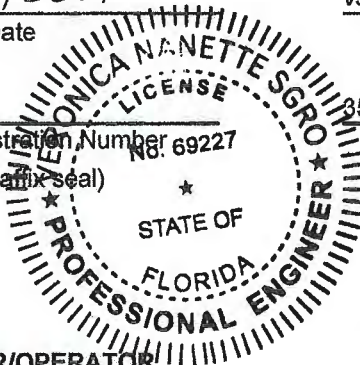
Gainesville, FL 32609
City, State, Zip Code

October 6, 2014
Date

vsgro@kooglerassociates.com
E-Mail address (if available)

69227
Florida Registration Number
(please attach seal)

352-377-5822
Telephone Number



VII. SIGNATURE BY OWNER/OPERATOR

Cary Cohrs
Signature of Applicant

4750 East County Road 470
Mailing Address

Cary Cohrs, President
Name and Title (please type)

Sumterville, FL 33585
City, State, Zip Code

ccohrs@americancementcompany.com
E-Mail address (if available)

352-569-5393
Telephone Number



American Cement Company, LLC – American Cement Tire Processing Facility
FDEP File No. 297136-001-WT-02/WACS No. SWD/60/98523

Closing Cost Estimate
October 1, 2014

The purpose of this submittal is to fulfill the requirements of Rule 62-711.500(3) F.A.C., to provide a re-estimate of the closing costs for tires at the American Cement Tire Processing Facility. Koogler and Associates, Inc. is providing this closing cost estimate for the cost to remove, process, and dispose of the maximum amount of waste tires that is permitted to be stored at the facility at any time.

ESTIMATED CLOSING COSTS:

Tire Disposal

The estimated cost to remove, process, and dispose of the maximum permitted amount of tires stored at the facility at any time (8,040 tires/80.4 tons) is as follows:

80.4 tons @ \$60/ton = \$4824.00 (or \$0.60/tire)

This cost estimate is backed by a third party cost estimate from McGee Tire Company, Inc. (attached).

Professional Engineer Certification

Veronica N. Sgro

Signature

October 6, 2014
Date

Veronica Sgro, P.E.
Koogler and Associates, Inc.
4014 NW 13th Street
Gainesville, FL 32609
352-377-5822



Seal:
No. 69227



McGee Tire Co., Inc.

130 East 7th Street
Apopka Fl. 32703
Phone 407-889-9250
Fax 407-889-5505

September 17, 2014

American Cement Company
4750 County Road 470
Sumterville, Florida 33585

To Whom it May Concern;

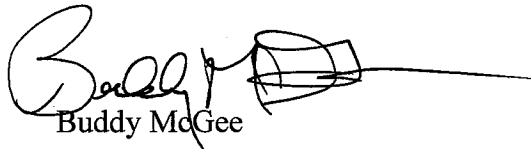
In reference to our conversation, McGee Tire Co. Inc. is willing and able to clean-up any whole tires that may be on site at the American Cement Company located in Sumterville, Florida in the event your facility no longer consumes tires or discontinues operations.

McGee Tire Co. Inc. would collect, transport and dispose of all whole waste tires left on the site for the following cost:

Waste Tires \$60 per ton

Please let me know if you need any additional information.

Sincerely


Buddy McGee

McGee Tire Co. Inc.
130 E. 7th Street
Apopka, Florida 32703



RIDER

Attached to and forming part of Bond # 13BSBFQ9243 ,
on behalf of American Cement Company, LLC
of 4750 E C 470, P.O. Box 445, Sumterville, FL 33585
in favor of Florida Department of Environmental Protection
and in the amount of Four Thousand Two Hundred Ninety-Eight (\$4,298.00) Dollars.

It is understood and agreed that effective September 19, 2014

The Bond Amount shall be changed

from \$4,298

to \$10,000

All other conditions and terms remain as originally written.

Signed, Sealed, and Dated _____ September, 24th _____, 2014

By: _____
Hartford Fire Insurance Company
Leslie Clifton, Attorney-in-Fact

The above rider is hereby agreed to and accepted:

By: _____
David Osmon - Vice President
American Cement Company, LLC

POWER OF ATTORNEY

Direct Inquiries/Claims to:

THE HARTFORD

Bond T-4

One Hartford Plaza

Hartford, Connecticut 06155

email: bond.claims@thehartford.com

call: 888-266-3488 | fax: 860-757-5835

KNOW ALL PERSONS BY THESE PRESENTS THAT:

Agency Code: 13-652169

- ☒ Hartford Fire Insurance Company, a corporation duly organized under the laws of the State of Connecticut
☐ Hartford Casualty Insurance Company, a corporation duly organized under the laws of the State of Indiana
☐ Hartford Accident and Indemnity Company, a corporation duly organized under the laws of the State of Connecticut
☐ Hartford Underwriters Insurance Company, a corporation duly organized under the laws of the State of Connecticut
☐ Twin City Fire Insurance Company, a corporation duly organized under the laws of the State of Indiana
☐ Hartford Insurance Company of Illinois, a corporation duly organized under the laws of the State of Illinois
☐ Hartford Insurance Company of the Midwest, a corporation duly organized under the laws of the State of Indiana
☐ Hartford Insurance Company of the Southeast, a corporation duly organized under the laws of the State of Florida

having their home office in Hartford, Connecticut (hereinafter collectively referred to as the "Companies") do hereby make, constitute and appoint Leslie Clifton

of Cherry Hill, New Jersey,

its true and lawful Attorney-in-Fact, to sign its name as surety(ies) only as delineated above by ☒, and to execute, seal and acknowledge the following bond, undertaking, contract or written instrument:

Bond No. 13BSBFQ9243

Naming American Cement Company, LLC as Principal,

and Florida Department of Environmental Protection as Obligee,

in the amount of See Bond Form(s) on behalf of Company in its business of guaranteeing the fidelity of persons, guaranteeing the performance of contracts and executing or guaranteeing bonds and undertakings required or permitted in any actions or proceedings allowed by law.

In Witness Whereof, and as authorized by a Resolution of the Board of Directors of the Company on August 1, 2009, the Company has caused these presents to be signed by its Vice President and its corporate seals to be hereto affixed, duly attested by its Assistant Secretary. Further, pursuant to Resolution of the Board of Directors of the Company the Company hereby unambiguously affirms that it is and will be bound by any mechanically applied signatures applied to this Power of Attorney.



John Gray

John Gray, Assistant Secretary

M. Ross Fisher

M. Ross Fisher, Vice President

STATE OF CONNECTICUT

COUNTY OF HARTFORD

ss.

Hartford

On this 12th day of July, 2012, before me personally came M. Ross Fisher, to me known, who being by me duly sworn, did depose and say: that he resides in the County of Hartford, State of Connecticut; that he is the Vice President of the Companies, the corporations described in and which executed the above instrument; that he knows the seals of the said corporations; that the seals affixed to the said instrument are such corporate seals; that they were so affixed by authority of the Boards of Directors of said corporations and that he signed his name thereto by like authority.



CERTIFICATE

Kathleen T. Maynard

Kathleen T. Maynard
Notary Public

My Commission Expires July 31, 2016

I, the undersigned, Vice President of the Companies, DO HEREBY CERTIFY that the above and foregoing is a true and correct copy of the Power of Attorney executed by said Companies, which is still in full force effective as of September 24, 2014.

Signed and sealed at the City of Hartford.



Gary W. Stumper

Gary W. Stumper, Vice President

FLORIDA NOTICE

FLORIDA HURRICANE CATASTROPHE FUND EMERGENCY ASSESSMENT

The Florida Office of Insurance Regulation has levied an emergency assessment on direct written premiums for all property and casualty lines of business in Florida.

This emergency assessment is to fund obligations, costs and expenses of the Florida Hurricane Catastrophe Fund and the Florida Hurricane Catastrophe Fund Corporation.

This emergency assessment applies to all subject policies and bonds or endorsements

We are required by statute and order to collect this emergency assessment and remit it to the State.

This assessment for your policy or bond appears as **FHCF EMER ASSESS**.

PART III
SECTION E – LETTER FROM LANDOWNER

E. A letter from the land owner (if different from applicant) authorizing use of the land as a waste tire processing facility.

Not applicable – American Cement owns the land.

PART III
SECTION F – OTHER ENVIRONMENTAL PERMITS

F. If waste tires will be consumed at the facility, attach a description of the other environmental permits that the applicant has for this use, including, permit number, date of issue, and name of issuing agency.

Tires are burned in the cement kiln as a supplemental fuel. Therefore, the facility must be authorized under an air permit to burn tires in the kiln. The facility is permitted to burn whole tires and tire-derived fuels in the kiln under Title V Permit No. 1190042-007-AV (issued on November 11, 2011). This information is also provided in the Comprehensive Operations Plan provided as Attachment 5.

**PART III
SECTION G – PERMIT FEE**

G. The permit fee as required in Rule 62-4, FAC.

The required permit fee of \$1,250 (per Rule 62-4.050(4)(j)10, FAC) is enclosed with this application submittal.

PART IV – CERTIFICATION

Except as particularly noted herein, based on information and belief formed after reasonable inquiry, to the best of my knowledge, the statements and information in this document are true, accurate, and complete.

Exceptions to the professional engineering certification are presented below.

1. Attachment 1 – USGS Topographic Map: The topographic map was accessed on 9/25/2014 from <http://www.topoquest.com/map.php?lat=28.75220&lon=-82.06017&datum=nad83&zoom=2&map=24k&coord=d&mode=zoomin&size=m>. The map was not prepared or issued by the professional engineer and / or was not under the professional engineer's responsible supervision, direction or control.
2. Attachment 2A – Zoning and Land Use Map: The Zoning and Land Use map was accessed on 09/25/2014 from Sumter County's GIS Department (<http://www.sumtergis.com>). The information contained in the map was not prepared or issued by the professional engineer and / or was not under the professional engineer's responsible supervision, direction or control.
3. Attachment 2B – Sumter County Future Land Use Map: The Future Land Use Map was accessed on 09/25/2014 from the Sumter County website (<http://www.sumtercountyfl.gov/index.aspx?NID=238>). The information contained in the map was not prepared or issued by the professional engineer and / or was not under the professional engineer's responsible supervision, direction or control.
4. Attachment 3 – Facility Plot Plan: The plot plan was not prepared or issued by the professional engineer and / or was not under the professional engineer's responsible supervision, direction or control. The attached plot plan was part of the original submission dated November 19, 2009. According to facility personnel, the plot plan is accurate.
5. Attachment 4 – Tire Feed System Plan View: The Tire Feed System Plan View was not prepared or issued by the professional engineer and / or was not under the professional engineer's responsible supervision, direction or control. The attached plot plan was part of the original submission dated November 19, 2009. According to facility personnel, the plot plan is accurate.