



KOOGLER & ASSOCIATES, INC.
ENVIRONMENTAL SERVICES

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

7th Fl

Letter of Transmittal

RECEIVED
DERM

JUN 25 2015

POLLUTION REGULATION
DIVISION

DATE:	6/22/2015	PROJECT NO:	263-15-04 WT
TO:	Miami Dade County Department of Regulatory and Economic Resources 701 NW 1st Court, 7th Floor, Miami, Florida 33136		
ATTENTION:	Johnny Vega		
REGARDING:			
CEMEX Miami Waste Tire Permit Modification Request			

WE ARE FORWARDING TO YOU THE FOLLOWING:

Copies	Description
1	Copy of Permit Modification request submittal package with \$250 Permit Modification Fee

THESE ARE TRANSMITTED BY:

<input type="checkbox"/> REGULAR MAIL	<input type="checkbox"/> DELIVERED
<input type="checkbox"/> OVERNIGHT	<input type="checkbox"/> CLIENT PICK UP
<input type="checkbox"/> 2 DAY	<input checked="" type="checkbox"/> OTHER: <u>USPS Priority</u>

REMARKS:

Mr. Vega, This request was also emailed to you on June 22, 2015. If you require additional information, please contact me.

cc: Charles Walz - CEMEX

SIGNED: Tammy Reed, Env. Sci II



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. 0146251-006-WT

Renewal Modification Existing unpermitted facility Proposed new facility

Part I-General Information:

A. Applicant Information:

1. Applicant Name: CEMEX Construction Materials Florida, LLC
2. Applicant Street Address: 1200 NW 137th Avenue
3. City: Miami County: Miami-Dade Zip: 33182
4. Applicant Mailing Address: Same as above
5. City: _____ County: _____ Zip: _____
6. Contact person: Charles Walz Phone: (305)229-2955 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.

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B. Facility Information:

1. Facility Name: CEMEX Waste Tire Processing Facility
2. Facility Street Address (Main Entrance): 1200 NW 137th Avenue
3. City: Miami County: Miami-Dade Zip: 33182
4. Facility Mailing Address: Same as above
5. City: _____ State: _____ Zip: _____
6. Contact Person: Charles Walz Phone: (305)229-2955
7. Facility Location Coordinates:
Section: 34 Township: 53S Range: 39E
Latitude: 25 46' 48" N Longitude: 80 25' 10" 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 Pky
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: Tammy L. Reed, 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

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>300</u>	_____	_____	_____	<u>300</u>
Processed tires:	_____	_____	_____	_____	_____
Processing residuals:	_____	_____	_____	_____	_____
TOTALS:	<u>300</u>	_____	_____	_____	<u>300</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 - tires are consumed in 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

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:

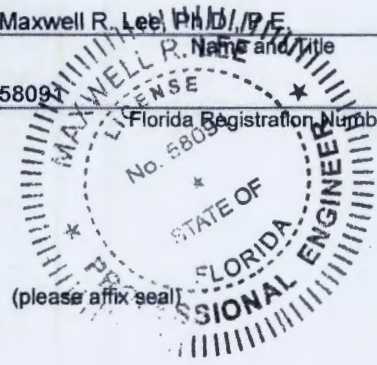
The undersigned applicant or authorized representative of CEMEX Construction Materials Florida LLC is aware that statements made in this form and attached information are an application for a Modification to Waste Tire Permit from the Florida Department of Environmental Protection and certifies that 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.

 Signature of Applicant or Authorized Agent Luis Lopez, Plant Manager 06/18/15
 Name and Title Date

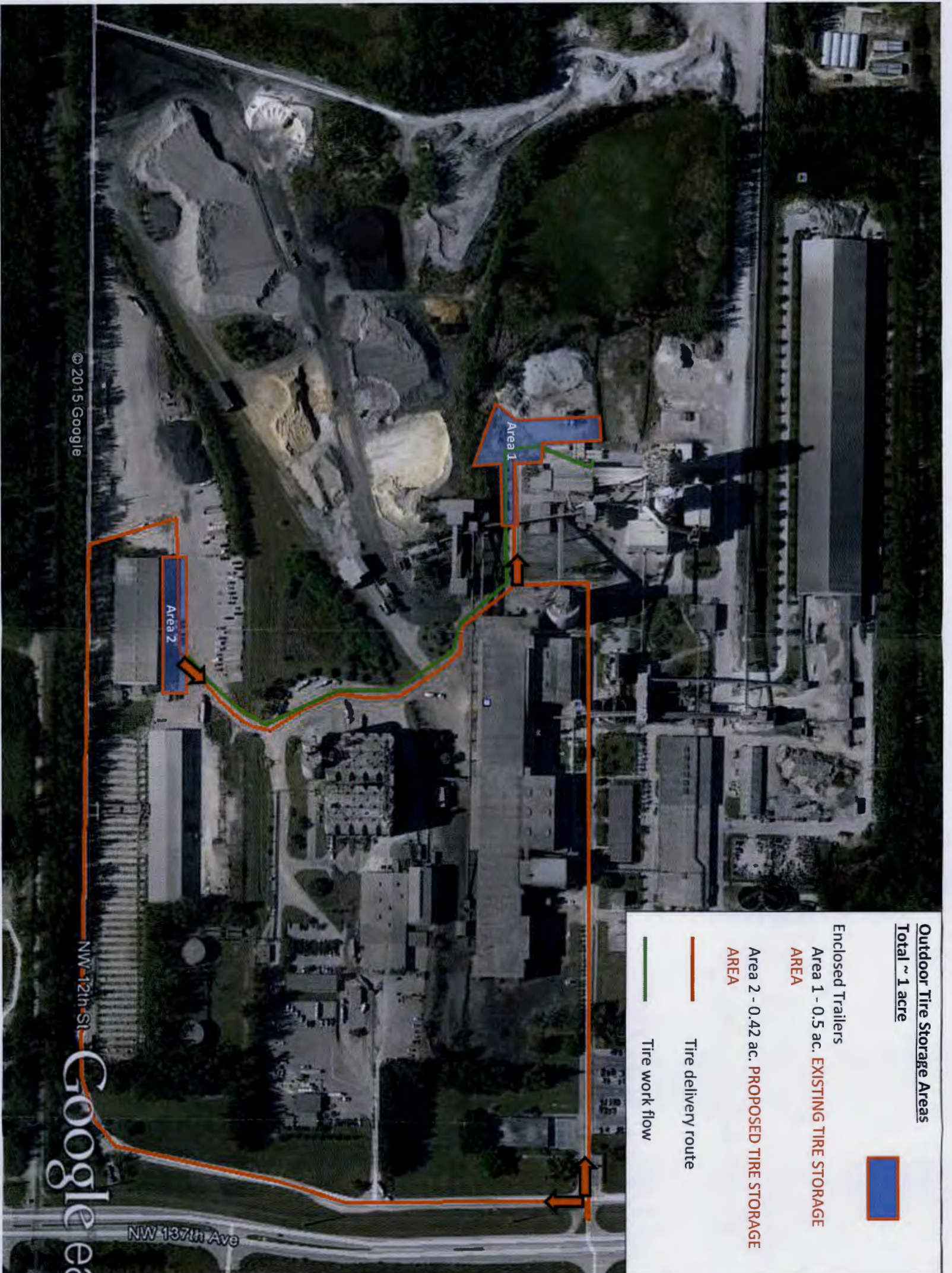
B. Professional Engineer registered in Florida.

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 set of instructions for proper maintenance and operation of the facility.

 Signature 4014 NW 13th Street
 Mailing Address
Maxwell R. Lee, P.E. Gainesville, FL 32609
 Name and Title City, State, Zip
58097 352-377-5822
 Florida Registration Number Telephone number
 (please affix seal) 6/19/15
 Date



ATTACHMENT 1
TIRE WORK FLOW PLAN



RECEIVED
JUN 25 2015
DERM
POLLUTION REGULATION
DIVISION

MAXWELL R. LEE
Professional Engineer Certification
No. 58091
STATE OF FLORIDA
Professional Engineer
Maxwell R. Lee, P.E.
Date 6/19/15

Scale 1" = +/- 240 ft
Aerial Image from Google Earth
Image Date 12/15/2014
Drawing No. 263-15-04

Site Plan-Outdoor Tire Storage
Modification of Permit No. 0146251-005-WT
CEMEX Construction Materials Florida, LLC - CEMEX Miami
Miami, Miami-Dade County, Florida

KODIGER & ASSOCIATES
ENVIRONMENTAL SERVICES
4014 SW 117th Street
Miami, FL 33186
3629277-5022 • FAX 377-7158

ATTACHMENT 2

PART III

**SECTION B – FACILITY OPERATION
AND
SECTION G – PERMIT FEE**

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 CEMEX Construction Materials Florida, LLC; Miami Cement plant produces Portland cement in a high-temperature rotary kiln. 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. Tires are staged, if necessary, prior to being injected into the kiln through a tire injection mechanism system at the front of the kiln. Tire may also be injected manually in the back of the kiln via a mechanism that enables them to be rolled into the kiln.

Any tires that may be rejected prior to being conveyed to the kiln (minimal amount) are placed back into the container trailer and returned to the contractor. Tires are stored in covered container trailers at the two locations show on the site plan (Attachment 1 of this submittal). Generally, tires are not stored on site, although up to a 7-day rolling delivery interruption supply of tires may be maintained in container trailers at the designated storage areas.

2. N/A – no changes

3. N/A – no changes

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

No changes - the whole tire feed rate shall not exceed 2.50 tons per hour, or 77.55 mmBtu/hr based on a 24-hour average. $2.5 \text{ tph} \times 24 \text{ hrs} = 60 \text{ tons/day}$.
[Rule 62-4.070(3), F.A.C.; Permit No. 0250014-041-AC]

5. N/A – no changes

6. N/A – no changes

7. N/A – no changes

8. N/A – no changes

SECTION G – PERMIT FEE

- G. The permit modification fee as required in Rule 62-4, FAC.**
The required permit fee of \$250 (per Rule 62-4.050(s) (4) FAC) is enclosed.