

Florida Department of Environmental Protection Inspection Checklist

FACILITY INFORMATION:

Facility Name: CEMEX BROOKSVILLE SOUTH PLANT (FKA FLORIDA CRUSHED STONE)

On-site Inspection Start Date: 11/20/2020 On-site Inspection End Date: 11/20/2020

WACS No.: 40778

Facility Street Address: NEAR CEMENT PLANT RD

City: BROOKSVILLE County Name: HERNANDO

Zip: 34601

INSPECTION PARTICIPANTS:

(Include ALL Landfill and Department Personnel with Corresponding Titles)

Principal Inspector: Kaitlyn Newsome, Environmental Specialist II

Other Participants: Tyler Nevins, Environmental Specialist I; Robin Simons, Environmental Manager;

David Singer, Environmental Specialist;

INSPECTION TYPE:

Routine Operation Inspection for WPF - Waste Tire Processing Facility

Routine Operation Inspection for WPF - Material Recovery Facility - Class I/III

ATTACHMENTS TO THE INSPECTION CHECKLIST:

This Cover Page to the Inspection Checklist may include any or all of the following attachments as appropriate.

Note: Checklist items with shaded boxes are for informational purposes only.

1.0 - SECTION 1.0 - FILE REVIEW

4.0 - SECTION 4.0 - WASTE PROCESSING FACILITIES

9.0 - SECTION 9.0 - WASTE TIRE FACILITIES

Inspection Date: 11/20/2020

1.0 - SECTION 1.0 - FILE REVIEW

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	FILE REVIEW (Pre- or Post-Inspection, as appropriate.)	Ok	Not Ok	Unk	N/A
1.1	For landfills and C&D disposal facilities, does the facility have a current plan for the method and sequence of filling wastes? 62-701.500(2)(f) for landfills; 62-701.730(7)(a) for C&D debris sites				1
1.2	For landfills, are the following records being reported to the Department?(Check any that are Not OK) Waste reports (annually) 62-701.500(4) Annual estimate of remaining life 62-701.500(13)(c)				1
1.3	Is gas monitoring being performed as required by the permit? 62-701.500(9), 62-701.530(2)				1
1.4	Are the results of the gas sampling reported to the Department quarterly? 62-701.530(2)(c)				1
1.5	Is water quality sampling and testing performed according to standard procedures and at the required frequencies? 62-701.510(2) for landfills; 62-701.730(8) and 62-701.730(10) for C&D debris sites; 62-713.400(3) for stationary soil treatment facilities.				1
1.6	Do the results of the water quality testing suggest there may be adverse impacts to water quality from the operation of the solid waste facility? 62-701.510(3) and (4); 62-701.730(4)(c) and (10) for C&D debris sites; 62-713.400(3) for stationary soil treatment facilities.				1
1.7	For closed landfills and C&D disposal facilities with final elevations higher than 20 feet above grade, has a final survey report verifying the final elevations and contours of the facility been submitted to the Department? 62-701.600(6)(b), 62-701.730(9)(e)				1
1.8	Is financial assurance adequate? 62-701.630 for landfills; 62-701.710(7)(a) and 62-701.710(1)(d)1. for waste processing facilities; 62-701.730(11)(a) for C&D debris facilities; 62-713.600(6)(a) for stationary soil treatment facilities; 62-711.500(3) for waste tire facilities. NOTE: The Solid Waste Financial Coordinator in Tallahassee can assist with this information.	1			
1.9	Are cost estimates current and adjusted every year? 62-701.630(4) for landfills; 62-701.710(7)(a) and 62-701.710(1)(d)1. for waste processing facilities; 62-701.730(11)(a) for C&D debris facilities; 62-713.600(6)(b) and 62-713.600(6)(c) for stationary soil treatment facilities; 62-711.500(3) for waste tire facilities.	1			
1.10	For C&D debris disposal and disposal with recycling facilities, is an Annual Report submitted to the Department for the disposal operation by February 1st of each year? 62-701.730(12)				1
1.11	For C&D recycling facilities with no disposal, is an Annual Report for the recycling facility submitted to the Department by February 1st of each year? 62-701.710(8)(b)				1
1.12	For compost facilities, has the compost product been sampled and analyzed every 20,000 tons or every 3 months (whichever is sooner)? 62-709.530(1)				1
1.13	For compost facilities, has the annual report been submitted by June 1st? 62-709.530(3)				1

Inspection Date: 11/20/2020

4.0 - SECTION 4.0 - WASTE PROCESSING FACILITIES

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item No.	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-701.300(18))	Ok	Not Ok	Unk	N/A
4.1.1	Unauthorized storage, processing, or disposal of solid waste except as authorized at a permitted solid waste management facility or other exempt facility? 62-701.300(1)(a)		1		
4.1.2	Unauthorized disposal or storage prohibited, except yard trash, within 500 feet of a potable water well? 62-701.300(2)(b)	1			
4.2	Unauthorized storage or disposal of yard trash prohibited within the minimum setbacks of (Check any that are Not OK) 62-701.300(12) 100 feet from potable water wells (except on-site)? 50 feet from water bodies?	1			
4.3	Unauthorized disposal or storage prohibited in any natural or artificial body of water including ground water and wetlands? (Does not apply to standing water after a storm event.) 62-701.300(2)(d)	1			
4.4	Unauthorized disposal or storage prohibited, except yard trash, within 200 feet of any natural or artificial body of water, including wetlands without permanent leachate controls, except impoundments or conveyances which are part of an on-site, permitted stormwater management system or on-site water bodies with no off-site discharge? 62-701.300(2)(e)	1			
4.5	Unauthorized open burning of solid waste prohibited, except in accordance with Department requirements? 62-701.300(3)	1			
4.6	Are the following unauthorized wastes or special wastes properly managed? (Check any that are Not OK) Hazardous waste 62-701.300(4) Biomedical waste 62-701.300(6) Used oil and oily wastes, except as exempted 62-701.300(11) PCB wastes 62-701.300(5) Liquids 62-701.300(10)	1			
tem No.	WASTE PROCESSING FACILITY OPERATION AND MAINTENANCE	Ok	Not Ok	Unk	N/A
4.7	For areas not enclosed, is litter controlled and are litter control devices maintained? 62-701.710(3)(a)	1			
4.8	Is leachate collection and removal system maintained and operated as required? 62-701.710(3)(b)	1			
4.9	Are all drains and leachate conveyances kept clean so that leachate flow is not impeded? 62-701.710(4)(g)	1			
4.10	Are the following records or plans current and available on-site? (Check any that are Not OK) Operation Plan 62-701.710(2)(e) Contingency Plan 62-701.710(2)(g) Operation records 62-701.710(8)(a)	1			
4.11	Is the Operation Plan substantially followed? 62-701.710(4)(a)		1		
4.12	Are putrescible wastes stored no longer than 48 hours or as otherwise allowed in the Operation Plan? 62-701.710(4)(b)	1			
4.13	Are the operating hours posted at the facility? 62-701.710(4)(c)1	1			
4.14	Is a trained operator on duty whenever the facility is operating? 62-701.710(4)(c)1				1
4.15	Is at least one trained spotter on duty at all times that waste is received at the facility to inspect the incoming waste, unless exempt under 62-701.710(1)(d)1? 62-701.710(4)(c)2				1
	Are unauthorized wastes removed from the waste stream and placed into appropriate	/	 	 	1

Item No.	WASTE PROCESSING FACILITY OPERATION AND MAINTENANCE	Ok	Not Ok	Unk	N/A
	containers for disposal at a permitted facility? 62-701.710(4)(c)2				
4.17	Is the facility operated to control objectionable odors? 62-701.710(4)(d)	1			
4.18	Is adequate fire protection equipment available and operational? 62-701.710(4)(e)	1			
4.19	Is access to the facility controlled by fencing or other effective barriers to prevent disposal of unauthorized solid waste? 62-701.710(4)(f)	1			
4.20	If the facility is a Transfer Station and is claiming the financial assurance exemption, does it manage the waste on a first-in, first-out basis and store waste for no greater than 7 days? 62-701.710(1)(d)1				1
4.21	Are all additional specific conditions (not otherwise addressed above) in the permit, Department order, or certification, if any, being followed? 62-701.320(1), 403.161, F.S.	1			
4.22	If the facility has reached its permitted capacity for storage of wastes or recyclable materials, has the permittee stopped accepting additional waste for processing? 62-701.710(4)(i)		1		
Item No.	WASTE PROCESSING FACILITY CLOSURE	Ok	Not Ok	Unk	N/A
4.23	Has the solid waste or residue been properly disposed of within 30 days after receiving the final solid waste shipment? 62-701.710(6)(b)				1
4.24	Has closure been completed within 180 days after receiving the final solid waste shipment? 62-701.710(6)(c)				1

Inspection Date: 11/20/2020

9.0 - SECTION 9.0 - WASTE TIRE FACILITIES

Requirements:

The requirements listed in this section provide an opportunity for the Department's inspector to indicate the conditions found at the time of the inspection. A "Not Ok" response to a requirement indicates either a potential violation of the corresponding rule or an area of concern that requires more attention. Both potential violations and areas of concern are discussed further at the end of this inspection report.

Item	SOLID WASTE PROHIBITIONS (unless "grandfathered" in, see 62-	Ok	Not	Unk	N/A
No. 9.1.1	701.300(18)) Unauthorized storage, processing, or disposal of solid waste except as authorized at a		Ok		
9.1.1	permitted solid waste management facility or other exempt facility? 62-701.300(1)(a)				
9.1.2	Unauthorized disposal or storage prohibited, except yard trash, within 500 feet of a potable water well? 62-701.300(2)(b)	1			
9.2	Unauthorized storage or disposal of yard trash prohibited within the minimum setbacks of (Check any that are Not OK) 62-701.300(12) 100 feet from potable water wells (except on-site)? 50 feet from water bodies?	1			
9.3	Unauthorized disposal or storage prohibited in any natural or artificial body of water including ground water and wetlands? (Does not apply to standing water after a storm event) 62-701.300(2)(d)	1			
9.4	Unauthorized disposal or storage prohibited, except yard trash, within 200 feet of any natural or artificial body of water, including wetlands without permanent leachate controls, except impoundments or conveyances which are part of an on-site, permitted stormwater management system or on-site water bodies with no off-site discharge? 62-701.300(2)(e)	1			
9.5	Unauthorized open burning of solid waste prohibited except in accordance with Department requirements? 62-701.300(3)	1			
Item No.	WASTE TIRE FACILITY - GENERAL REQUIREMENTS FOR STORAGE	Ok	Not Ok	Unk	N/A
9.6	If the facility accepts tires from the public, is a sign posted at the facility entrance stating operating hours, cost of disposal and site rules? 62-711.540(1)(a)				1
9.7	Are operations involving the use of open flames conducted no closer than 25 feet of a waste tire pile? 62-711.540(1)(b)	1			
9.8	If the facility accepts tires from the public, is an attendant always present on site when the site is open for business? 62-711.540(1)(c)				1
9.9	Are fire protection services assured through notification to local fire protection authorities? 62-711.540(1)(d)	1			
9.10	Is an annual fire safety survey conducted? 62-711.540(1)(d)		1		
9.11	Is a copy of the annual fire safety report made part of the next quarterly report? 62-711.540(1)(d)		1		
9.12	Does the facility have an Emergency Preparedness Manual (EPM) on-site? 62-711.540(1)(e)	1			
9.13	Does the EPM contain the following information? (Check all that are Not OK) Contact names and numbers 62-711.540(1)(e)1 List of emergency response equipment and locations on-site 62-711.540(1)(e)2 Procedures to be followed in the event of a fire 62-711.540(1)(e)3	1			
9.14	Is the operator at the facility maintaining records of the quantity of waste tires received at the site, stored at the site, and shipped from the site? 62-711.540(1)(g) and 62-711.400(5)		1		
9.15	If the operator of the site is not the owner of the property, has written authorization been obtained from the property owner to operate the facility? 62-711.540(1)(h)				1
9.16	Is adequate communications equipment available at the site? 62-711.540(1)(i)	1			
9.17	Is the owner or operator providing for control of mosquitoes and rodents so as to protect the public health and welfare? 62-711.540(1)(j)	1			

Item No.	WASTE TIRE FACILITY - STORAGE INDOORS	Ok	No O		Unk	N/A
9.18	Are waste tire piles more than 50 feet in width? 62-711.540(2)(a)					1
9.19	Are waste tire piles along a wall more than 25 feet in width? 62-711.540(2)(a)					✓
9.20	Are widths of main aisles between piles less than 8 feet? 62-711.540(2)(b)					1
9.21	Is there less than 3 feet of clearance between the top of storage to sprinkler detectors or roof structures? 62-711.540(2)(c)					1
9.22	Is there less than 3 feet of clearance between waste tire piles and unit heaters, etc.? 62-711.540(2)(d)					✓
9.23	If waste tires are stored up to 15 feet high, do walls between adjacent warehouse areas and between manufacturing and warehouse areas have at least a four-hour fire rating? 62-711.540(2)(e)					1
9.24	If waste tires are stored over 15 feet high, do walls between manufacturing and warehouse areas have a fire rating of not less than six hours and do steel columns have one-hour fireproofing? If the top of storage exceeds 20 feet in height, do columns and their connections with other structural members have two-hour fireproofing? 62-711.540(2)(f)					1
9.25	Is the access controlled through the use of doors, fences, gates, natural barriers or other means? 62-711.540(2)(h)					1
Item No.	WASTE TIRE FACILITY - STORAGE OUTDOORS	(Ok	Not Ok	Unk	N/A
9.26	Is the waste tire site operated within 200 feet from a body of water? 62-711.540(3)(a)		✓			
9.27	Does the waste tire pile have a width less than 50 feet? 62-711.540(3)(b)		✓			1
9.28	Does the waste tire pile have an area less than 10,000 sq. ft? 62-711.540(3)(b)		✓			
9.29	Does the waste tire pile have a height less than 15 feet? 62-711.540(3)(b)		✓			1
9.30	Is there a 50 feet wide fire lane around the perimeter of the waste tire pile? 62-711.540(3))(c)	✓			†
9.31	Is there unobstructed access to the fire lane? 62-711.540(3)(c)		✓			<u> </u>
9.32	Is the access controlled through the use of doors, fences, gates, natural barriers or other means? 62-711.540(3)(d)		✓			
9.33	Is the site kept free of grass, underbrush, and other potentially flammable vegetation? 62-711.540(3)(f)	-	✓			
9.34	Is the site bermed or given other adequate protection to prevent liquid runoff from enterin water bodies? 62-711.540(3)(e)	g	1			
9.35	Are residuals contained on-site and disposed of in a permitted solid waste management facility or properly recycled? 62-711.540(5)			1		
9.36	Does the waste tire site qualify for the exceptions to the technical and operational standards as allowed by rule? 62-711.540(6)					1
Item No.	WASTE TIRE FACILITY - COLLECTION CENTER	(Ok	Not Ok	Unk	N/A
9.37	Are no more than 1,500 tires at the collection center at any one time? 62-711.550(1)(a)					1
9.38	Are all waste tires, which are not used tires, removed from site yearly for recycling, processing, or disposal? 62-711.550(1)(b)					1

Inspection Date: 11/20/2020

Current Violations:

Rule: 62-701.300(1)(a)

Question Number: 4.1.1

Explanation: Please see Item 4.11.

Corrective Action: Please see Item 4.11.

Rule: 62-701.710(4)(i)

Question Number: 4.22

Explanation: Please see Item 4.11.

Corrective Action: Please see Item 4.11.

Rule: 62-711.540(1)(d)

Question Number: 9.10

Explanation: 1) Following the Solid Waste Compliance Inspection conducted on 11/20/2019,

the Department requested for the facility to obtain a follow up inspection to address violations noted in the 05/16/2019 fire inspection report. At the time of inspection, Ms. Simons was unable to provide an in-compliance inspection report to demonstrate that the violations noted in the May 2019 report were resolved. In addition, the facility was unable to provide a copy of the 2020 fire inspection report completed by Hernando County Fire Department following a recent virtual inspection. Per discussion with Ms. Simons, the facility continues to attempt to

make contact with the Fire Department to obtain each report.

2) On 11/25/2020, Mr. Singer provided the most recent Fire Hydrant Inspection Report conducted by Cintas Fire Protection on 08/27/2020. Following review of this inspection report, Department staff noted that Hydrant 14, Finish Mill 1 was

reported as too stiff to operate and/or open fully. The inspection report

recommends disassembly, cleaning, replacement of gaskets and the re-grease and re-assembly of the hydrant prior to re-testing. As of current, no documentation has been provided to the Department demonstrating that this remedial activity

has occured.

Corrective Action:

1) Please contact Hernando County Fire Department. Please submit these reports

to the Department within 30 days of receiving this inspection report.

2) Please perform the recommended maintenance of Hydrant 14, Finish Mill 1 as noted in the 08/27/20 Fire Hydrant Inspection Report. Please provide the Department with documentation demonstrating that the fire hydrant underwent maintenance and testing within 30 days of receiving this inspection report.

Pre-existing Violations:

Rule: 62-701.710(4)(a)

Question Number: 4.11

Explanation: Per Specific Condition 11 of Permit No. 22787-006-SO/31 and Page 18 of the

approved Operations Plan (last updated 11/27/2018), AFM should not be stored within 6 feet of the edge of the Additive Storage Building. At the time of inspection, tire fluff was observed to be located approximately 1 foot inside of the Additive

Storage Building.

Inspection Date: 11/20/2020

Corrective Action: 1) On November 30, 2020, Mr. Singer provided photo documentation

demonstrating that the tire fluff was relocated 6 feet within the edge of the Additive

Storage Building.

2) Please contact the Department within 15 days of receiving this inspection report to schedule a Warning Letter Meeting as requested in #WL20-

193AS27SWD.

Attachments:

Edge of ASB Building



Tire Fluff Bay



Tire Fluff Bay - Post Inspection



Tire Fluff Bay - Post Inspection



Current Areas of Concern:

Rule: 62-701.300(1)(a)

Question Number: 9.1.1

Explanation: Please see Item 9.35.

Corrective Action: Please see Item 9.35.

Rule: 62-711.540(1)(d)

Question Number: 9.11

Explanation: Please see Item 9.10.

Corrective Action: Please see Item 9.10.

Inspection Date: 11/20/2020

Rule: 62-711.400(5), 62-711.540(1)(g)

Question Number: 9.14

Explanation: At the time of inspection, the facility was unable to provide documentation

associated with the quantity of waste tire shipped from the site. Per discussion with Ms. Simons, the recent disposal of waste tires was managed by Corporate. As of the issuance of the inspection report, the Department has not received proof of receipts and/or documentation demonstrating the proper disposal or transfer of waste tires to a permitted waste tire processing facility and/or permitted solid

waste management facility.

Corrective Action: Please provide tire disposal documentation and supporting receipts to the

Department demonstrating proper waste tire disposal within 30 days of receiving

this inspection report.

Rule: 62-711.540(5)

Question Number: 9.35

Explanation: Department staff noted a pile of waste tires and processed residuals located in the

fuel yard outside of the authorized waste tire storage areas (last updated on 12/06/2018). Per email correspondence with Mr. Singer (dated 11/25/2020), these waste tires were scheduled to be transferred to an empty tire storage trailer during

the week of 12/30/2020 prior to removal from the site.

Corrective Action: Once transferred to a tire storage trailer, please provide the Department with

photo documentation of the waste tires/residuals moved from fuel yard into storage trailers. If removed from the property, please provide the Department with receipts/disposal records demonstrating proper disposal to another waste tire

processing facility and/or a permitted solid waste management facility.

COMMENTS:

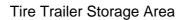
Item 4.10: At the time of inspection, Ms. Simons provided the current Operation Plans for both the Alt Fuel/MRF and WTPF (revised September 2017). The provided Alt Fuel/MRF Operation Plan indicated the most recent revision occurred in August 2018. Based on a review of Solid Waste Permit No. 22787-006-SO/31, the current approved Operation Plan was last revised on 11/27/2018. Please ensure that the facility maintains the latest version of the Operation Plan on-site.

Item 4.21/9.14: During the inspection, Department staff reviewed Bill of Lading Records for shipments of AFM received during May 2020 and November 2020. The physical waste tire inventory was reviewed and indicated zero tons located on-site. Alt Fuel Material Storage records were reviewed for May, October and November 2020. As of 05/31/2020, the Alt Fuel Material Storage records indicated an ending inventory of 43.35 tons of tire cubes and 41 tons of tire fluff. Ms. Simons indicated that the facility does not normally receive off-spec alt-fuel material. In addition, Ms. Simons stated that the facility has not received a load of waste tires since September 2019. Incoming Fuel Cube and Tire Fluff documentation was reviewed for 01/01/2020-11/18/2020 (fuel cubes; 19,310 tons) and 01/01/2020-11/05/2020 (tire fluff; 3589 tons).

ATTACHMENTS:

Page 10 of 11 CEMEX BROOKSVILLE SOUTH PLANT (FKA FLORIDA CRUSHED STONE)

ASB Building







Plant Overview

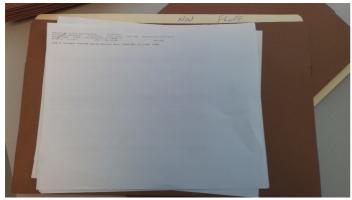
A-Frame Building





Bill of Lading Records - Nov 2020

Waste Tire Storage Area - Kiln 1





Page 11 of 11 CEMEX BROOKSVILLE SOUTH PLANT (FKA FLORIDA CRUSHED STONE)

Signed:								
Kaitlyn New	some	Environmental Specialist II						
PRINCIPAL	INSPECTOR NAME	PRINCIPAL INSPECTOR TITLE						
Kin	my / / / /	DEP	12/04/2020					
PRINCIPAL	INSPECTOR SIGNATURE	ORGANIZATION	DATE					
Tyler Nevins	3	Environmental Specialist I						
INSPECTO	R NAME	INSPECTOR TITLE						
NO SIGNAT	URE REQUIRED	DEP						
INSPECTO	R SIGNATURE	ORGANIZATION						
Robin Simo	ns	Environmental Manager						
REPRESEN	ITATIVE NAME	REPRESENTATIVE TITLE						
NO SIGNAT	URE REQUIRED	CEMEX						
REPRESEN	ITATIVE SIGNATURE	ORGANIZATION						
	igning this document, the Site Repressis not admitting to the accuracy of an concern.							
David Singe	er	Environmental Specialist						
REPRESEN	ITATIVE NAME	REPRESENTATIVE TITLE						
NO SIGNAT	URE REQUIRED	CEMEX						
REPRESEN	ITATIVE SIGNATURE	ORGANIZATION						
	igning this document, the Site Repressis not admitting to the accuracy of an concern.							
Report App	provers:							
Approver:	Steve Tafuni	Inspection Approval Date: 12	2/07/2020					