

October 11, 2012

NOTICE OF AIR POLLUTION PERMIT

**CERTIFIED MAIL NO.: 7000 0600 0025 3505 1161  
RETURN RECEIPT REQUESTED**

**ISSUED TO:**

Mr. Frank Perez  
General Manager  
Central Concrete Supermix, Inc.  
4300 SW 74 Avenue  
Miami, FL 33155

Permit Number: 0250454-008-AO  
Issue Date: October 11, 2012  
Expiration Date: October 10, 2017

**Project:** State of Florida Air Operation Permit Renewal for the Central Concrete Supermix, Inc., Plant #2 Facility  
**Facility Description:** Ready Mix Concrete Batch Facility (SIC/NAICS # - 3273/32732).  
**Location:** 1921 NW 141 Street, Opa Locka, Miami-Dade, FL 33054  
**Lat./Long:** 25° 54' 11" N / 80° 13' 56" W  
**UTM:** Zone 17; 568.0 km E; 2864.9 km. N

This is Permit Number 0250454-008-AO to operate an air pollution source issued by the **Miami-Dade County Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management pursuant to Chapter 24, Code of Miami-Dade County and Chapter 403.087, Florida Statutes (F.S.)**. This is a State Air Operating Permit authorizing the operation of the emissions units described in this permit.

*The Florida Department of Environmental Protection (FDEP) has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.). However, in accordance with Section 403.182, F.S., the FDEP recognizes the RER as the approved local air pollution control program of Miami-Dade County. Through a Specific Operating Agreement, the FDEP delegated to the RER the authority to issue or deny permits for this type of air pollution source located in Miami-Dade County.*

**STATEMENT OF BASIS:**

This permit is issued under the provisions of **Chapter 24, Code of Miami-Dade County, Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297**, and in conformance with all existing regulations of the FDEP and the RER rules. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the RER and made a part hereof and specifically described in this permit.

**PERMIT CONTENTS:**

- Part I -- Summary Information
- Part II -- Facility-Wide Specific Conditions
- Part III -- Emission Unit Specific Conditions
- Appendix A – General Conditions

**PART I -- SUMMARY INFORMATION**

This permit addresses the following air pollution emission unit(s):

Emissions Unit Number	Emissions Unit Description
001	One (1) 197 ton per hour (100 cubic yard per hour) Ready Mix Concrete Plant with Baghouse
002	One (1) 140 cubic yard per hour Ready Mix Concrete Plant with Silo and two (2) Baghouses (Back-up Plant)
003	One (1) Paint Spray Booth

**SIGNIFICANT DATES:**

Air Operation Permit Renewal Application Received August 12, 2012

**PERMIT HISTORY:**

<u>Permit</u>	<u>Project</u>	<u>Issue Date</u>	<u>Expiration Date</u>
AO-13-62373	Initial Air Operation Permit	12/08/1982	12/01/1987
AO-13-143480	Air Operation Permit Renewal	04/04/1988	12/01/1992
AO-13-221119	Air Operation Permit Renewal	12/10/1992	12/01/1997
0250454-001-AO	Operation Permit Renewal	09/16/1997	09/15/2002
0250454-002 -AC	Air Construction Permit	03/26/1999	03/25/2000
0250454-003-AO	Air Operation Permit Revision	12/07/1999	12/07/2004
0250454-004-AO	Air Operation Permit Revision	02/10/2000	09/07/2002
0250454-005-AO	Air Operation Permit Renewal	12/12/2002	12/11/2007
0250454-006-AC	Air Construction Permit	01/08/2007	12/11/2007
0250454-007-AO	Air Operation Permit Renewal	12/03/2007	12/02/2012

## PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

### 1.0 Administrative Requirements

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Miami-Dade County Regulatory and Economic Resources (RER), Division of Environmental Resources Management, Air Quality Management located at 701 NW 1 Court, Suite 400, Miami, Florida 33136.
- 1.2 Citation Format: In this permit, references to **F.A.C. Rule 62-xxx refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.**
- 1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403, F.S.  
[Rule 62-4.160 F.A.C.]
- 1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state, or local permitting requirements or other regulations.
- 1.5 Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.
- 1.6 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from the RER or other departments or agencies.
- 1.7 Renewal of This State Permit Required: An application for renewal of this air operating permit must be submitted to the RER, Air Quality Management **at least 60 days prior** to the expiration date of this permit. To apply for renewal of an operating permit, the applicant shall submit the appropriate application form in triplicate, the appropriate application fee, all required compliance test results, and such additional information as the RER may require by law.  
[Rule 62-4.030, 62-4.050, and 62-4.220 F.A.C.]
- Note that public notice may be required again at the time of renewal or revision of this permit if the facility or permit is materially changed from that described by this permit.  
[Rule 62-210.350(4)(a) F.A.C.]
- 1.8 County Permit Renewal: A request for renewal of the Miami-Dade County annual air operating permit must be submitted annually to the RER Air Quality Management on the appropriate form, **by May 31<sup>st</sup> of each calendar year**, along with the appropriate Miami-Dade County permit fee.  
[Chapter 24-18, Code of Miami-Dade County]

## 2.0 General Pollutant Emission Limiting Standards

2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2) F.A.C.]

2.2 General Visible Emissions Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity at any time.  
[Rule 62-296.320(4)(b) F.A.C.]

2.3 Volatile Organic Compounds/Organic Solvents Emissions:  
No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the RER.  
Such controls include the following:

- Tightly cover or close all VOC containers when they are not in use.
- Tightly cover all open tanks, which contain VOC when they are not in use.
- Maintain all pipes, valves, fittings, etc., which handle VOC in good operating condition.
- Confine rags used with VOC to tightly closed, fireproof containers when not in use.
- Immediately confine and clean up VOC spills and make sure wastes are placed in closed containers for reuse, recycling or proper disposal.

[Rule 62-296.320(1) F.A.C.]

2.4 Unconfined Emissions of Particulate Matter:  
No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.  
Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture, and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

[Rule 62-296.320(4)(c) F.A.C.]

### **3.0 Operation Requirements**

- 3.1 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.  
[Rule 62-210.650 F.A.C.]
- 3.2 Excess Emissions: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing best operational practices to minimize emissions are adhered to, and the duration of excess emissions shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the RER for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rule 62-210.700 F.A.C.]

### **4.0 Compliance Testing Requirements**

- 4.1 Test Notification: Unless otherwise specified in this permit, the RER, Air Quality Management shall be notified in writing of expected compliance test dates (when required) at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.  
[Rule 62-297.310(7)(a) 9 F.A.C.]
- 4.2 Testing at Capacity: Compliance testing (when required) shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emissions unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2) F.A.C.]
- 4.3 Special Compliance Tests: When the RER, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the RER.  
[Rule 62-297.310(7)(b) F.A.C.]

### **5.0 Reporting and Record Keeping Requirements**

- 5.1 Report Excess Emissions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the RER in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the RER.  
[Rule 62-210.700(6) F.A.C.]
- 5.2 Report Plant Operation Problems: If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the RER. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed

facilities. Such notification does not release the owner or operator from any liability for failure to comply with the FDEP and the RER rules.

[Rule 62-4.130 F.A.C.]

- 5.3 Retain Records: All records required by this permit shall be kept by the owner or operator and made available for the RER inspection for a minimum of three (3) years from the date of such records.

[Rule 62-4.160(14)(b) F.A.C.]

- 5.4 Compliance Test Reports: Compliance test reports (when required) shall be submitted to the RER Air Quality Management, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the RER to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to F.A.C. Rule 297.310(8)(c):

- The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
- The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
- The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.

[Rule 62-297.310(8)(a) &(b) F.A.C.]

- 5.5 Annual Operating Report Required: Annual Operating Report (DEP Form No. 62-210.900(5)) shall be completed each year and submitted to the Miami-Dade County, RER, Air Quality Management office or submitted electronically to the Florida Department of Environmental Protection by April 1 of the following year.

[Rule 62-210.370(3) F.A.C.]

**PART III -- EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emission units:

Emissions Unit Number	Emissions Unit Description
001	<p><b>A 197 ton per hour (100 cubic yard per hour) Ready Mix Concrete Plant with Baghouse</b>  <u>Baghouse</u>            Manufacturer: Appco                      Md# 60-7000                      No. of Bags: 60                      Filter Area: 1,400 ft<sup>2</sup></p>
002	<p><b>A 140 cubic yard per hour Ready Mix Concrete Plant with silo and two (2) Baghouses</b>  <u>Plant Baghouse</u>            Manufacturer: Stephens                      Md# SV-170                      No. of Bags: 16                      Filter Area: 170 ft<sup>2</sup>  <u>Silo Baghouse</u>            Manufacturer: Stephens                      Md# SV-270                      No. of Bags: 35                      Filter Area: 270 ft<sup>2</sup></p>
003	<p><b>A Paint Spray Booth</b>            Manufacturer: Custom            Dimensions: 46' L x 14' W x 14' H.            Exhaust fan: One (1) 5 HP motor at 26,000 CFM            Filters: 24 each 20"X 20"</p>

**1.0 Emissions Limiting Standards and Operating Restrictions**

- 1.1 Visible Emissions: Visible emissions shall not equal or exceed 20% opacity at any time for **EU 003**. Visible emissions from silos, weight hoppers, and other enclosed storage and conveying equipment (**EU 001 & 002**) shall be controlled to the extent necessary to limit visible emissions to 5% opacity. [Rule 62-296.320(4)(b) & 62-296.414(1) F.A.C., Air Construction Permit 0250454-006-AC]
- 1.2 Facility-Wide Volatile Organic Compounds Emissions: Facility-wide total emissions of volatile organic compounds (VOC), including hazardous air pollutants (HAP), shall not equal or exceed 100 tons in any consecutive 12-month period. [Rule 62-4.070(3) F.A.C., Permit No.: 0250454-006-AC]
- 1.3 Facility Wide HAP Emissions: Total emissions of all hazardous air pollutants (HAP) shall not equal or exceed 25 tons in any consecutive 12-month period. [Rule 62-4.070(3) F.A.C., Permit No.: 0250454-006-AC]
- 1.4 Individual HAP Emissions: Emissions of any individual hazardous air pollutant (HAP) shall not equal or exceed 10 tons in any consecutive 12-month period. [Rule 62-4.070(3) F.A.C., Permit No.: 0250454-006-AC]
- 1.5 Unconfined Emissions: The owner or operator shall take reasonable precautions to control unconfined emissions from hoppers, storage and conveying equipment, conveyor drop points, truck loading and unloading, roads, parking areas, stock piles, and yards. In addition to those required by Rule 62-296.320(4)(c) F.A.C., the following shall constitute reasonable precautions for concrete batching plants:
  - Reduction of stockpile height or installation of wind breaks to mitigate wind entrainment of particulate matter from stockpiles.

- Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck.  
[Rule 62-296.414(2) F.A.C., Permit No.: 0250454-006-AC]

1.6 Hours of Operation: The referenced emissions unit(s) may operate 24 hours/day, 7 days/week, 52 weeks/year resulting in 8,760 hours in any consecutive 12-month period.  
[Rule 62-4.070(3) F.A.C., Permit No.: 0250454-006-AC]

## 2.0 Compliance Monitoring, Testing, and Recordkeeping Requirements

2.1 VOC Content and Emissions: The owner or operator shall determine the VOC content of all materials, including solvents, and shall monitor the usage of such materials at the referenced emission unit(s), by recording and maintaining the following information:

- a. The VOC content for each material containing or emitting VOC.
- b. The material utilization rate on a monthly basis, for all materials containing or emitting VOC used at the referenced emission unit(s).
- c. The total monthly VOC emission rates for each material, calculated from the monthly material utilization rates and the VOC content, calculated for the preceding month no later than 10 days after the end of that month.
- d. A rolling consecutive 12-month total emission rate for VOC, calculated from the monthly totals for the previous twelve calendar months.

[Rule 62-4.070(3) F.A.C., Permit No.: 0250454-006-AC]

2.2 Individual & Total HAP Content and Emissions: The owner or operator shall determine the total and individual HAP contents of all materials, including solvents, and shall monitor the usage of such materials at the referenced emission unit(s), by recording and maintaining the following information:

- a. The individual and total HAP contents for each material containing or emitting HAP.
- b. The material utilization rate on a monthly basis, for all materials containing or emitting HAP used at the referenced emission unit(s).
- c. The individual and total monthly HAP emission rates for each material, calculated from the monthly material utilization rates and the individual and total HAP content, calculated for the preceding month no later than 10 days after the end of that month.
- d. A rolling consecutive 12-month total emission rate for individual and total HAP, calculated from the monthly totals for the previous twelve calendar months.

[Rule 62-4.070(3) F.A.C., Permit No.: 0250454-006-AC]

2.3 Visible Emissions Test Required: The owner or operator shall have a formal compliance test conducted annually (**EU 001 & 002**) for visible emissions by FDEP Method 9 per the conditions of Rule 62-297.310(7)(a) F.A.C. Visible emissions tests shall meet all applicable requirements of Chapter 62-297 F.A.C. Visible emissions tests of silo dust collector exhaust points shall be conducted while loading the silo at a rate that is representative of the normal silo loading rate. The minimum loading rate shall be 25 tons per hour unless such rate is unachievable in practice. If emissions from the weight hopper (batcher) operation are also controlled by the silo dust collector, the batching operation shall be in operation during the visible emissions test. The batching rate during the emissions test shall be representative of the normal batching rate and duration. Each test report shall state the actual silo loading rate during emissions testing and, if applicable, whether or not batching occurred during emissions testing. If emissions from the weight hopper (batcher) operation are controlled by a dust collector which is separate from the silo dust collector, visible emissions tests of the weight hopper (batcher) dust collector exhaust point shall be conducted while batching at a rate that is representative of the normal batching rate and duration. Each test report shall state the actual batching rate during emissions testing.

[Rule 62-296.414(3) &(4); Rule 62-297.401(9) F.A.C., Permit No.: 0250454-006-AC]

- 2.4 Recycling Log: The owner or operator shall keep a log of the amount of chemicals manifested to recyclers, the manufacturer, or the dump.  
[Rule 62-4.070(3) F.A.C.]
- 2.5 Control Equipment: The owner or operator shall visually inspect each emissions unit and associated baghouse daily to ensure that each baghouse is operating properly, and shall record the condition of each baghouse and pressure drop when inspected. The owner or operator shall perform a detailed inspection of each baghouse at least monthly and record the inspection results. Such inspections shall include general conditions of the emissions control equipment and ductwork, condition of the bags and appurtenances, and verification of proper operation of the bag cleaning cycle.  
[Rule 62-4.070(3) F.A.C.]

Executed in Miami-Dade County, Florida.

DEPARTMENT OF ENVIRONMENTAL  
RESOURCES MANAGEMENT

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H. Patrick Wong, Chief  
Air Quality Management

Date

HPW/fe

Copy: Antonio Mazpule, P.E. (amazpule@gmail.com)  
Joe Lurix, Florida Department of Environmental Protection, Southeast District Office  
(Joe.Lurix@dep.state.fl.us)

**FILING AND ACKNOWLEDGMENT:** FILED, on this date, pursuant to § 120.52(7), F.S., with the designated RER Clerk, receipt of which is hereby acknowledged.

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Clerk

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Date