



CONCRETE BATCHING PLANT



COMPLIANCE INSPECTION CHECKLIST

INSPECTION TYPE: ANNUAL (INS1, INS2) COMPLAINT/DISCOVERY (CI)
 RE-INSPECTION (FUI) ARMS COMPLAINT NO:

AIRS ID#: 0950148	DATE: <u>11/29/2011</u>	ARRIVE: <u>7:15 AM</u>	DEPART: <u>9:00 AM</u>
FACILITY NAME: EAST ORLANDO READY-MIX PLANT			
FACILITY LOCATION: 7400 NARCOOSSEE RD ORLANDO 32822-5586			
OWNER/AUTHORIZED REPRESENTATIVE: DARRYL FALES Email: dfales@preferredmaterials.com		PHONE: (239)992-1400 Mobile:	
CONTACT NAME: BRIAN MORTON Email: bmorton@preferredmaterials.com		PHONE: (800)331-3375 Mobile: (813)802-9085	
ENTITLEMENT PERIOD: 11/13/2011 / 11/13/2016 (effective date) (end date)			

Facility Section

PART I: INSPECTION COMPLIANCE STATUS (check only one box)

IN COMPLIANCE MINOR Non-COMPLIANCE SIGNIFICANT Non-COMPLIANCE

PART II: ONSITE INTRODUCTORY MEETING (check only one box for each question)

1. Name(s) of facility representative(s): Erin Zimmet
 Brief Notes: Environmental Manager

2. Is the Authorized Representative still DARRYL FALES? ----- Yes ..No
 If no, who is?: _____
 If different, did the facility provide an administrative update within 30 days? ----- Yes ..No

3. Is the facility contact still BRIAN MORTON? ----- Yes ..No
 If no, who is?: _____

4. Will facility be conducting VE test(s) during today's inspection? ----- Yes ..No
 If yes, was the compliance authority notified at least 15 days in advance? ----- Yes ..No

Emissions Unit Section

1-CCB Plant-3 silos & batching operation w/cent dust collector subject to 5% Opacity Limit

PART I: FILE REVIEW PRIOR TO INSPECTION

(check [X] only one box for each question)

- 1. Date of last inspection: 5/3/2011
2. Past Visible Emissions (VE) tests:
a. Was a VE test performed within each of the past 4 calendar years?
b. Has a VE test been performed yet within the current calendar year?
c. If first year of operation, was a VE test performed within 30 days of commencing operation?
d. Date of last VE test: 5/3/2011
e. Was the VE test report filed with the compliance authority no later than 45 days after the test?
f. Did the report state the actual silo loading rate during emissions testing?
g. What was the actual silo loading rate? 30 tons/hour
h. If weigh hopper(batcher) emissions controlled by the silo dust collector, did the report state whether or not batching occurred during emissions testing?
i. Did the test report state the actual batching rate during emissions testing?
j. What was the actual batching rate? 2 tons/hour
k. Did the emissions unit demonstrate compliance with the 5% opacity limit during the last VE test?-- If not, what was the problem (if known)? See Comments

PART II: STACK EMISSIONS from a silo, weigh hopper(batcher) or other enclosed storage and conveying equipment

(check [X] only one box for each question)

- 1. Was a visible emissions test conducted by the facility for this unit during this site visit?
a. Was the visible emissions test conducted according to EPA Method 9?
b. The visible emission test resulted in an opacity of 0 % for the highest six-minute average.
c. Did the visible emissions test demonstrate compliance with the 5% opacity limit?
d. During visible emissions tests of the silo dust collector exhaust points was the loading of the silo conducted at a rate that is representative of the normal silo loading rate?
e. If silo loaded, was the minimum loading rate of 25 tons/hour achievable in practice?
f. What was the silo loading rate? 26.58 tons/hour
g. Are emissions from the weigh hopper (batcher) operation controlled by the silo dust collector?
h. 1) If emissions from the weigh hopper (batcher) operation are controlled by a dust collector which is separate from the silo dust collector, was the visible emissions test of the weigh hopper (batcher) dust collector conducted while batching at a rate that is representative of the normal batching rate and duration?
2) What was the batching rate?
3) What was the batching duration?
2. Was a visible emissions test conducted by the inspector for this unit during this site visit?
a. Was the visible emissions test conducted according to EPA Method 9?
b. The visible emission test resulted in an opacity of 0 % for the highest six-minute average.
c. Did the visible emissions test demonstrate compliance with the 5% opacity limit?
d. What was the process rate? 26.58 tons/hour.

Emissions Unit Section

2 –CCB Plant-truck loadout w/shroud subject to Reasonable Precautions

PART I: FILE REVIEW PRIOR TO INSPECTION

(check only one box for each question)

- 1. Date of last inspection: 5/3/2011
- 2. Did the emissions unit use reasonable precautions during the last inspection? ----- Yes No
If not: a. Did the inspector perform a general VE test (20% opacity)? ----- Yes No
b. If tested: (____) % opacity. Were the visible emissions < 20% opacity? ----- N/A Yes No
c. What caused the problem(s) (if known)? _____

PART II: FIELD OBSERVATIONS – Rule 62-296.414(2), F.A.C.

(check only one box for each question)

Unconfined Emissions from Truck Loading and Unloading, Hoppers, Storage and Conveying Equipment, Conveyor Drop Points, Roads, Parking Areas, Stock Piles, and Yards

- 1. Does the owner/operator of the concrete batching plant take reasonable precautions to control unconfined emissions by:
 - a. Management of roads, parking areas, stock piles, and yards, which shall include one or more of the following:
 - 1) paving and maintenance of roads, parking areas, stock piles, and yards? ----- Yes No
 - 2) application of water or environmentally safe dust-suppressant chemicals when necessary to control emissions? ----- Yes No
 - 3) removal of particulate matter from roads and other paved areas under control of the owner/operator to re-entrainment, and from building or work areas to reduce airborne particulate matter? ----- Yes No
 - 4) reduction of stock pile height, or installation of wind breaks to mitigate wind entrainment of particulate matter from stock piles? ----- Yes No
 - b. Use of spray bar, chute, or partial enclosure to mitigate emissions at the drop point to the truck? ---- Yes No
- 2. If reasonable precautions not being taken:
 - a. Did the inspector perform a general VE test (20% opacity)? ----- Yes No
 - b. If tested: (____) % opacity. Were the visible emissions < 20% opacity? ----- Yes No
 - c. What caused the problem(s) (if known)? _____

Facility Section (continued)

CONFIRMATION OF GENERAL PERMIT ELIGIBILITY

(check only one
box for each question)

1. Does this facility keep records to show that it does not have the potential to emit:
 - a. 10 tons per year or more of any hazardous air pollutant? ----- Yes No
 - b. 25 tons per year or more of any combination of hazardous air pollutants? ----- Yes No
 - c. 100 tons per year or more of any other regulated air pollutant? ----- Yes No

2. Does this facility include:
 - a. Any emission units or activities not covered by the applicable air general permit (with the exception of units and activities that are exempt from permitting pursuant to subsection Rule 62-210.300(3) or Rule 62-4.040, F.A.C.)? ----- Yes No
 If YES, what non-exempt units or activities? _____

 - b. Any emissions units or activities authorized by another air general permit where such other air general permit and this general permit specifically allow the use of one another at the same facility? ----- Yes No
 If YES, what other general permit units or activities? _____

3. Is the total combined annual facility-wide fuel usage of all plants less than or equal to:
 - a. 275,000 gallons of diesel fuel? ----- Yes No
 - b. 23,000 gallons of gasoline? ----- Yes No
 - c. 44 million standard cubic feet on natural gas? ----- Yes No
 - d. 1.3 million gallons of propane? ----- Yes No
 - e. Or an equivalent prorated amount if multiple fuels are used onsite (use equation below)? ----- Yes No
$$\frac{\text{gal diesel/yr}}{275,000 \text{ gal diesel/yr}} + \frac{\text{gal gasoline/yr}}{23,000 \text{ gal gasoline/yr}} + \frac{\text{MM SCF nat. gas/yr}}{44 \text{ MM SCF nat. gas/yr}} + \frac{\text{MM gal propane/yr}}{1.3 \text{ MM gal propane/yr}} \leq 1.00?$$

4. Has the owner/operator maintained, available for inspection, site-wide records of monthly fuel consumption for each consecutive 12-period for the past 5 years? ----- Yes No

GENERAL CONDITIONS

(check only one
box for each question)

1. Has the owner or operator allowed the circumvention of any air pollution control device, or allowed the emission of air pollutants without the proper operation of all applicable air pollution control devices? ----- Yes No
2. Does the owner or operator:
 - a. Maintain the authorized facility in good condition? ----- Yes No
 - b. Ensure that the facility maintains its eligibility to use the air general permit and complies with all terms and conditions of the air general permit? ----- Yes No
3. Has the owner or operator allowed you, as the duly authorized representative of the Department, access to the facility at reasonable times to inspect and test and to determine compliance with the air general permit and Department rules? ----- Yes No

RELOCATABLE PLANT:

(check only one box for each question)

- 1. Is the facility: stationary ; relocatable ; or consisting of both stationary and relocatable concrete batching and/or nonmetallic mineral processing plants? *(If only stationary, skip the following question 2.)*
- 2. Is the relocatable concrete batching plant used to mix cement and soil for onsite soil augmentation or stabilization? ----- Yes No
(If YES, answer 2. a and 2. b; if NO, answer question 2.c below.)
 - a. Did the owner or operator notify the appropriate Department or Local Air Program by telephone, e-mail, fax, or written communication at least one business day prior to changing location? ----- Yes No
 - b. Did the owner or operator transmit a Facility Relocation Notification Form [DEP No. 62-210.900(6)] to the Department or Local Air Program no later than five business days following a relocation? ---- Yes No
 - c. Did the owner or operator transmit a Facility Relocation Notification Form [DEP No. 62-210.900(6)] to the appropriate Department or Local Air Program at least five business days prior to relocation? --- Yes No
- 3. If the relocatable plant was co-located at a facility with a separate air construction or air operation permit, and the relocatable batch plant is not included as an emissions unit in that separate permit:
 - a. Was the relocatable batch plant being used for a non-routine purpose (i.e, there is no repeated usage)? Yes No
 If YES, what was the purpose?
 - b. Were records kept by the owner/operator to indicate how long it was co-located at the permitted facility? ----- Yes No
 If YES, were any periods more than 6 months in duration? ----- Yes No

CHANGES

(check only one box for each question)

Administrative Changes:

- 1. Were there any changes in the name, address, or phone number of the facility or authorized representative not associated with a change in ownership or with a physical relocation of the facility or any emissions units or operations comprising the facility; or any other similar minor administrative change at the facility? ---- Yes No
- 2. If YES, did the facility provide written notification within 30 days of the change? ----- Yes No

New or Modified Process Equipment or Change in Ownership:

- 3. Since the last registration form submittal has there been
 - a. Installation of any new process equipment? ----- Yes No
 - b. Alterations to existing process equipment without replacement? ----- Yes No
 - c. Replacement of existing equipment with equipment that is substantially different? ----- Yes No
 - d. A change in ownership? ----- Yes No
- 4. If the answer to any question 3a. – d. is YES, was a new registration form and the appropriate fee submitted 30 days prior to the change? ----- Yes No

Bill Rhodes

11/29/2011

Inspector's Name (Please Print)

Date of Inspection

12/31/2012

Inspector's Signature

Approximate Date of Next Inspection

COMMENTS: A compliance re-test was conducted on 11/29/2011 to correct improper central dust collector capacity for the simultaneous loading of three tankers. An equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), FAC, occurred on October 13, 2011. Permission was given to authorize the simultaneous loading of only two tankers at a time, by engineers representing the manufacturer of the central dust collector (Griffin Filters), and was the result of a failed test on May 3, 2011, attempting to load three tankers. Research revealed that the central dust collector was incorrectly chosen to handle the capacity of three tankers, rather than two. Bill Arlington, representing Arlington Environmental Services, Inc., was also present for the test, as well as Erin Zimmet, Environmental Manager & Pursey Moss, Plant Manager, representing Preferred Materials. Two trucks were present for loading when OCEPD personnel arrived at the site. One containing 25.430 tons of cement and one

containing 26.580 tons of flyash. Both trucks began pumping at the same time. The flyash truck completed the load in approximately 60 minutes (26.58 TPH), and the cement truck completed the load in approximately 77 minutes (19.81 TPH). It should be noted that the driver of the cement truck informed OCEPD personnel & Arlington Environmental of the valve problems with the truck which could cause longer loading times. The observed opacity for both trucks through the central dust collector was 0% opacity. The batching process was also observed for one truck for approximately 3-4 minutes and 0% opacity was observed. There was no noticeable odors or dust blowing off the property at the time of the inspection.