

Florida Department of Environmental Protection
ARM Inspection Report

ARMS ID No. 850010	Owner/Company Name: CONTINENTAL FLORIDA MATERIALS	Inspection Date: 6/21/06
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Site Name: CONTINENTAL/STUART/CONCR BATCH PLNT	County: MARTIN
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Permit No(s). 0850010004AG	Expiration Date: March 14, 2009	Type: AG
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Facility Contact Name: Mike McInnery	Title: Dispatcher	Phone: -
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Emissions Unit(s):	Compliance Status:
002 - East Silo	SNC
003 - Baghouse at top of West Silo	SNC
001 - 78.4 tph ready-mix batch plant	SNC

Field Observations:
 Christina Kasik and I arrived on site & immediately observed emissions from the top of the east silo. I began recording visible emission readings as seen on sheet 00001. After correcting for slant angle, visible emission standard of 5% was exceeded. Highest 6-minute average was 30% opacity. We found that the silo was being filled with cement during the recordings. I brought the matter to the attention of Mike McInnery, who was unaware of the problem. He stated the vacuum system serving the baghouse has been full for about 3 weeks and that someone would be coming to the plant to clear the system out later that day. Ms. Kasik and I left the plant to inspect the neighboring facility. When we returned, we observed emissions coming from the west silo as it was being filled with cement. I did not record the second emissions observation on a Visible Emission Observation Form. I brought the matter to Mr. McInnery's attention a second time. The silo filling continued. →

- Summary findings:**
- ① exceedance of visible emissions standard (observed 30% opacity)
 - ② failure to take reasonable precautions to prevent fugitive emissions

Inspector's Name	Signature:	Date: 6/23/06
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I advised Mr. McInery to call Dan ~~Thompson~~^{Henderson} & ask Mr. Thompson whether the plant should continue to operate in noncompliance. After speaking to Mr. ~~Thompson~~^{Henderson}, Mr. McInery ceased operations at the plant. Darrel Graziani arrived at the plant shortly before we all departed and summarized the Department's findings with Mr. McInery. Immediately before we all left, we observed visible emissions (dust) blowing from the plant & crossing the plant boundaries.

*Note: Second observation of west silo emissions were of emissions coming from both the top of the silo & the bottom as a truck was being loaded out with cement.

EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)
 Method 9 203A 203B Other: _____

Company Name
Continental Florida Materials # 0860010

Facility Name
Same

Street Address
1715 S. Federal Hwy

City *Stuart* State *FL* Zip *-*

Process
Cement loading Unit # *002* Operating Mode *-*

Control Equipment
baghouse Operating Mode *-*

Describe Emission Point
top of east silo

Height of Emiss. Pt. Height of Emiss. Pt. Rel. to Observer

Start *60'* End *60'* Start *60'* End *60'*

Distance to Emiss. Pt. Direction to Emiss. Pt. (Degrees)

Start *100'* End *100'* Start *east* End *east*

Vertical Angle to Obs. Pt. Direction to Obs. Pt. (Degrees)

Start *see next* End *side* Start *east* End *east*

Distance and Direction to Observation Point from Emission Point

Start *2' up* End *2' up*

Describe Emissions

Start *coning* End *coning*

Emission Color Water Droplet Plume

Start *white* End *white* Attached Detached None

Describe Plume Background

Start *sky* End *sky*

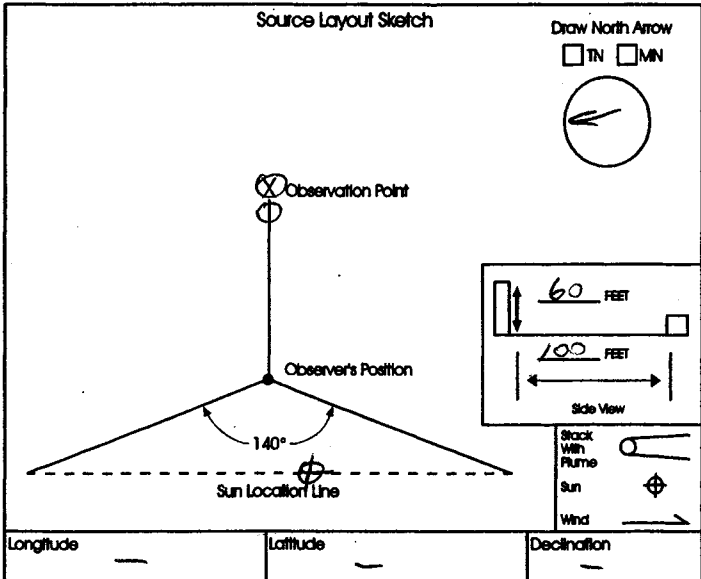
Background Color Sky Conditions

Start *blue* End *blue* Start *clear* End *clear*

Wind Speed Wind Direction

Ambient Temp. Wet Bulb Temp. RH Percent

Start End Start End Start End



Additional Information
slant angle correction

Form Number *00601* Page *1* of *1*

Continued on VEO Form Number *N/A*

Sec Min	Observation Date				Time Zone	Start Time	End Time	Comments																												
	0	15	30	45																																
1	50	20	50	60	eastern	2:00 PM	2:16 PM	vertical angle																												
2	20	30	20	30					to observation																											
3	50	30	0	45						print = 0																										
4	0	0	10	15																																
5	0	0	0	0								$\theta = \tan^{-1}(\frac{60}{100}) = 30.9^\circ$																								
6	0	25	0	10									slant angle = 31°																							
7	15	0	20	5																																
8	15	30	35	50																																
9	60	50	50	30																																
10	10	0	25	10																																
11	25	35	25	25																																
12	20	35	35	40																																
13	20	25	15	10																																
14	15	75	90	75																																
15	0	0	0	0																																
16	0	0	0	0																																
17	44.8	17.6	44.8	54.4																				using ETAS slant												
18	17.6	26.3	17.6	26.3																					angle correction											
19	44.8	26.3	0	40.1																						table obtained										
20	0	0	8.6	13																							these corrected									
21	0	0	0	0																								opacity percentages								
22	0	21.9	0	8.6																																
23	13	0	17.6	4.3																																
24	13	26.3	30.9	44.8																																
25	51.4	44.8	44.8	26.3																												highest 6-min. average = 30.2 30.0				
26	8.6	0	21.9	8.6																													opacity %			
27	21.9	30.9	21.9	21.9																																
28	17.6	26.3	30.9	35.5																																
29	17.6	21.9	13	8.6																																
30	13	69.5	86.1	69.5																																

Observer's Name (Print) *Allen Rainey*

Observer's Signature *Allen J. Rainey* Date *6/21/06*

Organization *SE District DEP*

Certified By *ETA* Date *1/11/06*