

VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name
 DEP Stone Mountain

Facility Name
 Same

Street Address
 3908 Selvite Rd.

City
 Ft. Pierce

State
 FL

Zip
 34981

Process
 cement delivery

Unit #?
 ?

Operating Mode
 4-10 psi

Control Equipment
 Baghouse

Operating Mode
 ?

Describe Emission Point
 base of Baghouse

Height of Emiss. Pt.
 Start 40' End 40'

Height of Emiss. Pt. Rel. to Observer
 Start 40' End 40'

Distance to Emiss. Pt.
 Start 50' End 50'

Direction to Emiss. Pt. (Degrees)
 Start east End east

Vertical Angle to Obs. Pt.
 Start see other part → End east

Direction to Obs. Pt. (Degrees)
 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
 Start white End white

Attached Detached None

Describe Plume Background
 Start sky End sky

Background Color
 Start blue End blue

Sky Conditions
 Start clear End clear

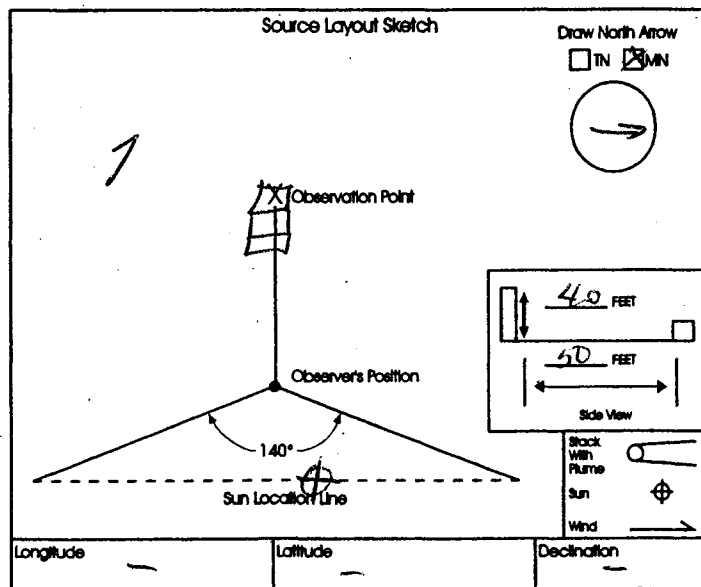
Wind Speed
 Start 10 mph End 10 mph

Wind Direction
 Start easterly End easterly

Ambient Temp.
 Start 87° End 87°

Wet Bulb Temp.
 -

RH Percent
 80%



Additional Information
 slant angle correction used for all readings

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Observation Date	Time Zone	Start Time	End Time		
6/14/06	Eastern	11:27 AM	11:38 AM		
Sec	0	15	30	45	Comments
1	95	95	95	100	vertical angle to
2	100	100	100	100	observation point = 0
3	100	100	100	100	
4	100	100	100	90	
5	85	95	85	95	
6	85	95	95	100	50'
7	95	100	100	95	$\theta = \tan^{-1}(\frac{40'}{90'}) = 38.6^\circ$
8	95	85	95	95	
9	100	95	80	95	slant angle = 39°
10	95	95	100	100	
11	100	100	95	90	
12					
13	90.3	90.3	90.3	99.9	using ETAs slant
14	99.9	99.9	99.9	99.9	angle correction table,
15	99.9	99.9	99.9	99.9	obtained. these
16	99.9	99.9	99.9	83.3	corrected opacity
17	87.1	90.3	77.1	90.3	percentages
18	71.1	90.3	90.3	90.3	
19	90.3	99.9	99.9	90.3	highest 6-min
20	90.3	77.1	90.3	90.3	average = 93%
21	99.9	90.3	71.4	90.3	opacity
22	90.3	90.3	99.9	99.9	
23	99.9	99.9	90.3	83.3	
24					
25					
26					
27					
28					
29					
30					

Observer's Name (Print)
 Allen Rainey

Observer's Signature
 Allen J. Rainey

Date
 6/14/06

Organization
 SE District DEP

Certified By
 ETA

Date
 1/11/06