

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name  
**OUC - STANTON**

Facility Name  
**STANTON ENERGY CENTER**

Street Address  
 \_\_\_\_\_

City  
**ORLANDO**

State  
**FL**

Zip  
 \_\_\_\_\_

Process  
**FLYASH SILO**

Unit #  
 \_\_\_\_\_

Operating Mode  
 \_\_\_\_\_

Control Equipment  
 \_\_\_\_\_

Operating Mode  
 \_\_\_\_\_

Describe Emission Point  
**STACK FOR BAGHOUSE**  
**ON FLYASH SILO**

Height of Emiss. Pt.  
 Start **125** End **125**

Height of Emiss. Pt. Rel. to Observer  
 Start **125** End **125**

Distance to Emiss. Pt.  
 Start **320** End **320**

Direction to Emiss. Pt. (Degrees)  
 Start **330** End **330**

Vertical Angle to Obs. Pt.  
 Start **12** End **12**

Direction to Obs. Pt. (Degrees)  
 Start **330** End **330**

Distance and Direction to Observation Point from Emission Point  
 Start **1 DIA UP** End **1 DIA UP**

Describe Emissions  
 Start **NONE** End **NONE**

Emission Color  
 Start **NONE** End **NONE**

Water Droplet Plume  
 Attached ☐ Detached ☐ None ☒

Describe Plume Background  
 Start **SKY** End **SKY**

Background Color  
 Start **BLUE** End **BLUE**

Sky Conditions  
 Start **CLEAR** End **CLEAR**

Wind Direction  
 Start **SE** End **SE**

Wind Speed  
 Start **0-3** End **0-3**

Ambient Temp.  
 Start **80°** End **80°**

Wet Bulb Temp.  
 \_\_\_\_\_

RH Percent  
 \_\_\_\_\_

Source Layout Sketch  
**FLYASH SILO BAGHOUSE VENT.**

Draw North Arrow  
☐ TN ☐ MN

Observer's Position  
 \_\_\_\_\_

Sun Location Line  
 \_\_\_\_\_

140°

125 FEET  
 320 FEET

Side View

Stack With Plume  
 Sun  
 Wind

Longitude  
 \_\_\_\_\_

Latitude  
 \_\_\_\_\_

Declination  
 \_\_\_\_\_

Additional Information  
 \_\_\_\_\_

Form Number  
 \_\_\_\_\_

Page  
 \_\_\_\_\_

Continued on VEO Form Number  
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Observation Date <b>12/19/06</b>		Time Zone				Start Time <b>10:51</b>	End Time <b>11:03</b>
Min	Sec	0	15	30	45	Comments	
51	0	0	0	0			
52	0	0	0	0			
53	0	0	0	0			
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55	0	0	0	0			
56	0	0	0	0			
57	0	0	0	0			
58	0	0	0	0			
59	0	0	0	0			
60	0	0	0	0			
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Observer's Name (Print)  
**GARY KUBERSKI**

Observer's Signature  
**Gary Kuberski**

Organization  
**EDFEP**

Certified By  
**ETA**

Date  
**12/19/06**

Date  
**8/14/06**

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name DUK - STANTON  
 Facility Name STANTON ENERGY CENTER  
 Street Address ALFAYA TRAIL  
 City ORLANDO State FL Zip \_\_\_\_\_

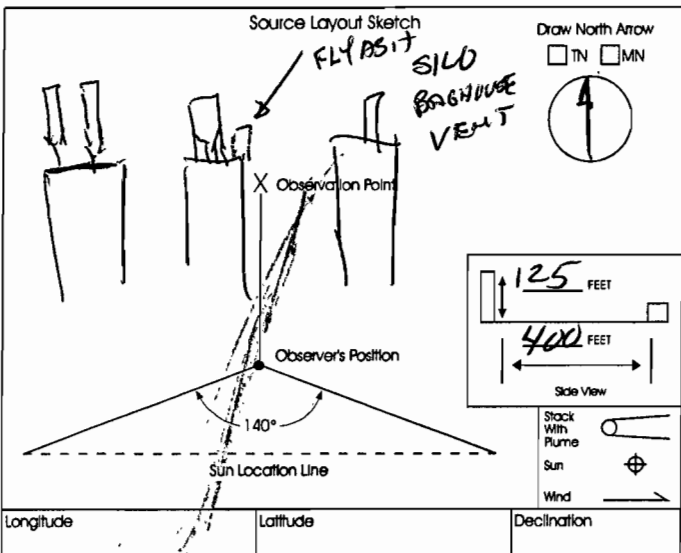
Process \_\_\_\_\_ Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_  
 Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

Describe Emission Point \_\_\_\_\_  
 \_\_\_\_\_  
 Height of Emiss. Pt. Start 125 End 125 Height of Emiss. Pt. Rel. to Observer Start 125 End 125  
 Distance to Emiss. Pt. Start 400 End 400 Direction to Emiss. Pt. (Degrees) Start 0 End 0

Vertical Angle to Obs. Pt. Start 70 End \_\_\_\_\_ Direction to Obs. Pt. (Degrees) Start \_\_\_\_\_ End \_\_\_\_\_  
 Distance and Direction to Observation Point from Emission Point  
 Start 1 STACK DIA UP End 1 STACK DIA UP

Describe Emissions  
 Start NONE End NONE  
 Emission Color Start ALONG End NONE Water Droplet Plume Attached ☐ Detached ☐ None ☒

Describe Plume Background  
 Start SKY SK-1 End SKY  
 Background Color Start BLUE End BLUE Sky Conditions Start CLEAR End CLEAR  
 Wind Speed Start 0-3 End 0-3 Wind Direction Start SE End SE  
 Ambient Temp. Start 80 End 80 Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_



Additional Information \_\_\_\_\_  
 \_\_\_\_\_

Form Number \_\_\_\_\_ Page \_\_\_\_\_ Of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date		Time Zone				Start Time	End Time
12/19/06						10:37	10:49
Min	Sec	0	15	30	45	Comments	
37 <sup>1</sup>		0	0	0	0		
38 <sup>2</sup>		0	0	0	0		
39 <sup>3</sup>		0	0	0	0		
40 <sup>4</sup>		0	0	0	0		
41 <sup>5</sup>		0	0	0	0		
42 <sup>6</sup>		0	0	0	0		
43 <sup>7</sup>		0	0	0	0		
44 <sup>8</sup>		0	0	0	0		
45 <sup>9</sup>		0	0	0	0		
46 <sup>10</sup>		0	0	0	0		
47 <sup>11</sup>		0	0	0	0		
48 <sup>12</sup>		0	0	0	0		
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Observer's Name (Print) GARY KUBELSKI  
 Observer's Signature [Signature] Date 12/19/06  
 Organization FERP  
 Certified By ETA Date 8/14/06

Method Used (Circle One)

Method 9	203A	203B	Other: _____
<input checked="" type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Process <b>BAGHOUSE</b>	Unit #	Operating Mode <u>        </u>
Control Equipment		Operating Mode

Vertical Angle to Obs. Pt.		Direction to Obs. Pt. (Degrees)	
Start 7	End	Start 45°	End 45°
Distance and Direction to Observation Point from Emission Point			
Start 1 Stack DIA UP	End 1 Stack DIA UP		

Describe Emissions		
Start	None	
Emission Color	Water Droplet Plume	
Start	None	End
Attached	<input type="checkbox"/>	Detached
	<input type="checkbox"/>	None
		<input checked="" type="checkbox"/>

Describe Plume Background		Start <u>BURDICK</u> End <u>BURDICK</u>	
Background Color		Sky Conditions	
Start <u>GREY</u> End <u>GREY</u>	Start <u>P.T.C.I</u> End <u>P.T.C.I</u>		
Wind Speed		Wind Direction	
Start <u>0-3</u> End <u>0-3</u>	Start <u>SE</u> End <u>SE</u>		
Ambient Temp.		Wet Bulb Temp.	
Start <u>80</u> End <u>80</u>	RH Percent		

Source Layout Sketch

Observation Point

Observer's Position

140°

Sun Location Line

Draw North Arrow

TN MN

Side View

Stack With Pume

Sun

Wind

120 FEET

500 FEET

Longitude

Latitude

Declination

Additional information

Form Number						Page	Of
Continued on VEO Form Number							

Observation Date		Time Zone				Start Time	End Time
Sec	0	15	30	45	Comments		
3 <sup>1</sup>	0	0	0	0			
3 <sup>2</sup>	0	0	0	0			
3 <sup>3</sup>	0	0	0	0			
3 <sup>4</sup>	0	0	0	0			
3 <sup>5</sup>	0	0	0	0			
3 <sup>6</sup>	0	0	0	0			
3 <sup>7</sup>	0	0	0	0			
3 <sup>8</sup>	0	0	0	0			
3 <sup>9</sup>	0	0	0	0			
3 <sup>10</sup>	0	0	0	0			
3 <sup>11</sup>	0	0	0	0			
3 <sup>12</sup>	0	0	0	0			
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Observer's Name (Print) GARY KUBELSH		Date 12/19/06
Observer's Signature [Signature]		Date 8/14/07
Organization FREP		
Certified By ETA		

# EPA VISIBLE EMISSION OBSERVATION FORM 1

Method Used (Circle One)  
 Method Y 203A 203B Other: \_\_\_\_\_

Company Name OUC - STANTON  
 Facility Name STANTON ENERGY CENTER  
 Street Address \_\_\_\_\_  
 City ORLANDO State FL Zip \_\_\_\_\_

Process BAGHOUSE Unit # \_\_\_\_\_ Operating Mode \_\_\_\_\_  
 Control Equipment \_\_\_\_\_ Operating Mode \_\_\_\_\_

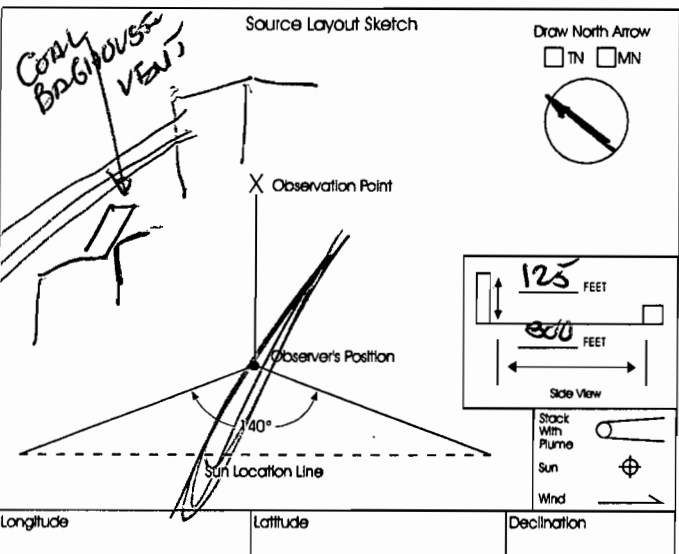
Describe Emission Point  
BAGHOUSE VENT

Height of Emiss. Pt. Start 125 End 125 Height of Emiss. Pt. Rel. to Observer Start 125 End 125  
 Distance to Emiss. Pt. Start 300 End 300 Direction to Emiss. Pt. (Degrees) Start 0 End 0

Vertical Angle to Obs. Pt. Start 7 End \_\_\_\_\_ Direction to Obs. Pt. (Degrees) Start 0 End 0  
 Distance and Direction to Observation Point from Emission Point Start 1 STACK DIA UP End 1 STACK DIA UP

Describe Emissions  
 Start NONE End NONE  
 Emission Color \_\_\_\_\_ Water Droplet Plume \_\_\_\_\_  
 Start NONE End NONE Attached ☐ Detached ☐ None ☒

Describe Plume Background  
 Start BUILDING End BUILDING  
 Background Color \_\_\_\_\_ Sky Conditions \_\_\_\_\_  
 Start GAZ End \_\_\_\_\_ Start PT. C1 End PT. C1  
 Wind Speed \_\_\_\_\_ Wind Direction \_\_\_\_\_  
 Start 0-3 End \_\_\_\_\_ Start SE End SE  
 Ambient Temp. \_\_\_\_\_ Wet Bulb Temp. \_\_\_\_\_ RH Percent \_\_\_\_\_  
 Start 81 End \_\_\_\_\_



Additional Information

Form Number \_\_\_\_\_ Page \_\_\_\_\_ Of \_\_\_\_\_  
 Continued on VEO Form Number \_\_\_\_\_

Observation Date		Time Zone				Start Time	End Time
12/19/06						11:20	11:32
Min	Sec	0	15	30	45	Comments	
10 <sup>1</sup>		0	0	0	0		
11 <sup>2</sup>		0	0	0	0		
12 <sup>3</sup>		0	0	0	0		
13 <sup>4</sup>		0	0	0	0		
14 <sup>5</sup>		0	0	0	0		
15 <sup>6</sup>		0	0	0	0		
16 <sup>7</sup>		0	0	0	0		
17 <sup>8</sup>		0	0	0	0		
18 <sup>9</sup>		0	0	0	0		
19 <sup>10</sup>		0	0	0	0		
20 <sup>11</sup>		0	0	0	0		
21 <sup>12</sup>		0	0	0	0		
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Observer's Name (Print) GARY KUBERZ  
 Observer's Signature Gary Kuberk Date 12/19/06  
 Organization FERP  
 Certified By ETA Date 8/14/06

# EPA VISIBLE EMISSION OBSERVATION FORM 1

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

Company Name  
**OUC - STANTON**  
 Facility Name  
**STANTON ENERGY CENTER**  
 Street Address  
**ALAFAYA TRAIL**  
 City  
**ORLANDO**      State  
**FL**      Zip

Process  
**SILO BATHHOUSE**      Unit #      Operating Mode  
 Control Equipment      Operating Mode

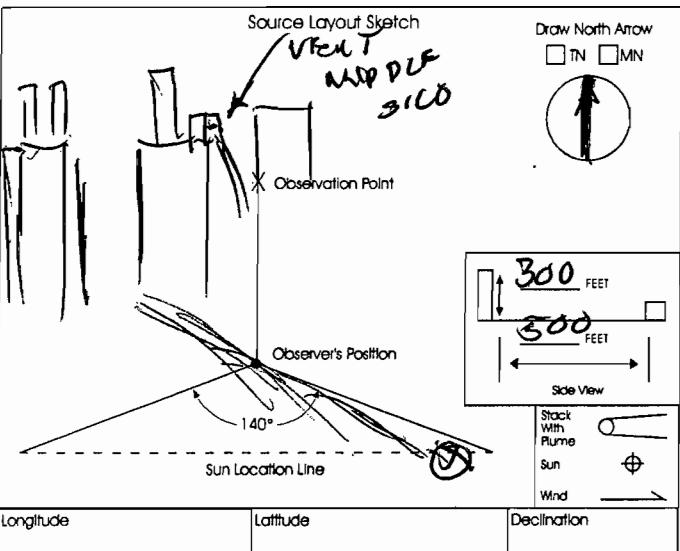
Describe Emission Point  
**BATHHOUSE VENT - BLOWING DOWN**

Height of Emiss. Pt.  
 Start **300** End **300**      Height of Emiss. Pt. Rel. to Observer  
 Start **300** End **300**  
 Distance to Emiss. Pt.  
 Start **500** End **500**      Direction to Emiss. Pt. (Degrees)  
 Start **0°** End **0°**

Vertical Angle to Obs. Pt.  
 Start **25°** End **25°**      Direction to Obs. Pt. (Degrees)  
 Start **0°** End **0°**  
 Distance and Direction to Observation Point from Emission Point  
 Start **1 DIAMETER DOWN** End **1 DIA DOWN**

Describe Emissions  
 Start **NONE** End **NONE**      Water Droplet Plume  
 Emission Color  
 Start **NONE** End **NONE**      Attached ☐ Detached ☐ None ☒

Describe Plume Background  
 Start **SKY** End **SKY**      Sky Conditions  
 Background Color  
 Start **BLUE** End **BLUE**      Start **P.C.** End **P.C.**  
 Wind Speed  
 Start **10-15** End **10-15**      Wind Direction  
 Start **E** End **E**  
 Ambient Temp.  
 Start **80** End **80**      Wet Bulb Temp.      RH Percent



Additional Information

Form Number      Page      Of  
 Continued on VEO Form Number

Observation Date		Time Zone				Start Time	End Time
Sec Min	0	15	30	45	Comments		
23	0	0	0	0			
24	0	0	0	0			
25	0	0	0	0			
26	0	0	0	0			
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30	0	0	0	0			
31	0	0	0	0			
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Observer's Name (Print)  
**Gregory KUBERSKI**  
 Observer's Signature  
**Gregory KUBERSKI**      Date  
**5/15/07**  
 Organization  
**EDP**  
 Certified By  
**ETA**      Date  
**8/14/06**