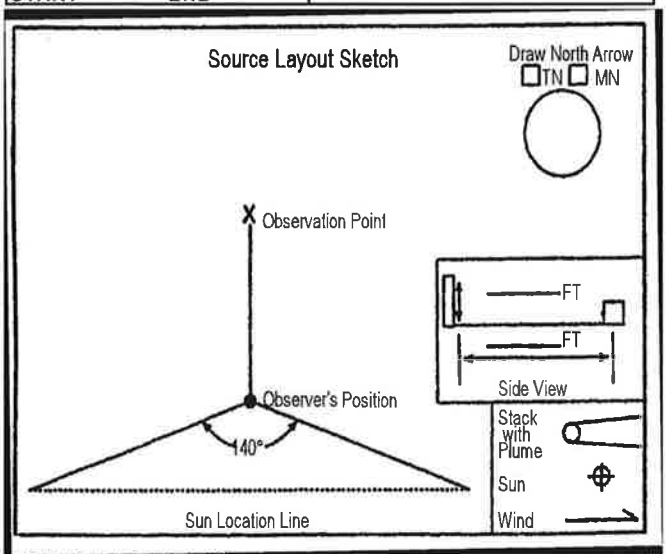
EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION:		
CITY: BK	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #2 INCINERATOR	OPERATING MODE:	
CONTROL EQUIPMENT:	OPERATING MODE:	
DESCRIBE EMISSION POINT:		
HEIGHT OF EMISSION POINT:	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER: START END	
DISTANCE TO EMISSION POINT: 120 FT. START END	DIRECTION TO EMISSION PT. (DEGREES (0-360)): START END	
VERTICAL ANGLE TO OBSERVATION POINT: START END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)): START END	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT: START END		
DESCRIBE EMISSIONS: START END		
EMISSION COLOR: WHITE START END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: TOWER LIGHT START END		
BACKGROUND COLOR: START END	SKY CONDITIONS: NIGHT START END	
WIND SPEED: START END	WIND DIRECTION: START END	
AMBIENT TEMP: START END	WET BULB TEMP	RH percent



ADDITIONAL INFORMATION:

#1 INCINERATOR STABILIZED.

OBSERVATION DATE	START TIME	END TIME
1-29-13	530	0600

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2					
3					
4					
5					
6					
7					
8					
9					
10	5	5	5	5	NO LOADING
11	10	10	10	10	LOADING
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23	10	10	10	10	LOADING
24	5	5	5	5	NO LOADING
25					
26					
27					
28					
29					
30	5	5	5	5	NO LOADING

OBSERVER'S NAME (PRINT): ANTON HANA	
OBSERVER'S SIGNATURE:	DATE: 1-29-13
ORGANIZATION: NYC-DEP.	
CERTIFIED BY:	DATE:

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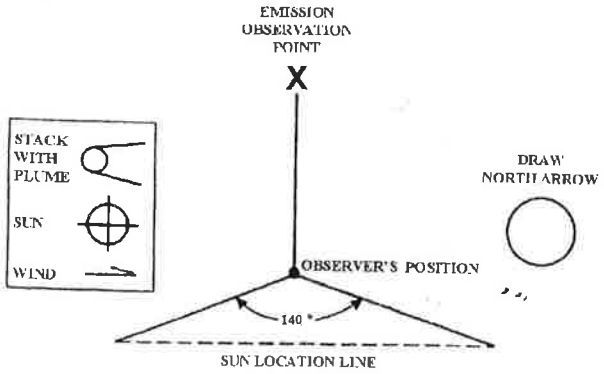
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1301	1330

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	5-5-5-5
6	5	5	5	5	#1-5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

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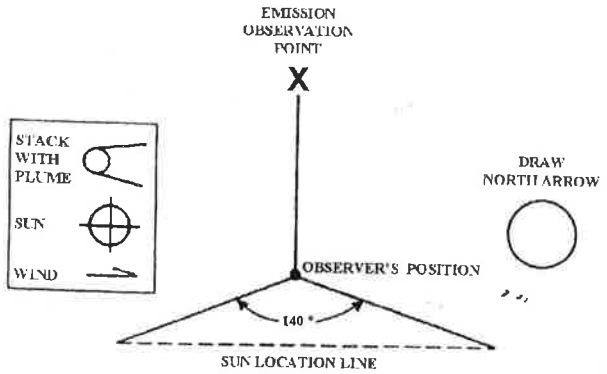
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 01-29-13 | Start Time: 1431 | End Time: 1500

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 - 5 - 5 - 5 - 5
2	5	5	5	5	5 - 5 - 5 - 5
3	5	5	5	5	10 - 10 - 10 - 10
4	5	5	5	5	10 - 10 - 10 - 10
5	5	5	5	5	#1 - 10 - 10 - 10 - 5
6	5	5	5	5	5 - 5 - 5 - 5
7	5	5	5	5	5 - 5 - 5 - 5
8	5	5	5	5	5 - 5 - 5 - 5
9	5	5	5	5	5 - 5 - 5 - 5
10	5	5	5	5	#1 - 5 - 5 - 5 - 5
11	5	5	5	5	5 - 5 - 5 - 5
12	5	5	5	5	5 - 5 - 5 - 5
13	5	5	5	5	5 - 5 - 5 - 5
14	5	5	5	5	5 - 5 - 5 - 5
15	5	5	5	5	#1 - 5 - 5 - 5 - 5
16	5	5	5	5	5 - 5 - 5 - 5
17	5	5	5	5	5 - 5 - 5 - 5
18	5	5	5	5	5 - 5 - 5 - 5
19	5	5	5	5	5 - 5 - 5 - 5
20	5	5	5	5	#1 - 5 - 5 - 5 - 5
21	5	5	5	5	5 - 5 - 5 - 5
22	5	5	5	5	5 - 5 - 5 - 5
23	5	5	5	5	5 - 5 - 5 - 5
24	5	5	5	5	5 - 5 - 5 - 5
25					#1 - Blocked View
26					
27					
28					
29	5	5	5	5	5 - 5 - 5 - 5
30	5	5		5	#1 - 5 - 5 - 5 - 5

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius — Date: 01-29-13

Organization

Certified by — Date

Continue on reverse side

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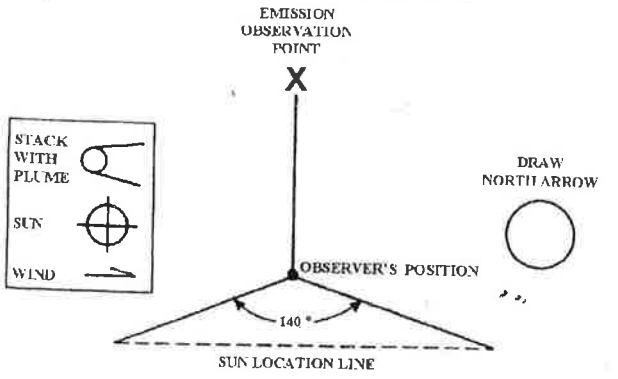
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 01-29-13 | Start Time: 1501 | End Time: 1530

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	#1 - 5-5-5-5
8	5	5	5	10	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	#1 - 5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	#1 - 5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	#1 - 5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-10-10-10
25	5	5	5	5	5-5-5-5
26	5	5	5	5	#1 - 5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	10-10-10-10
30	5	5	5	5	#1 - 10-10-10-10

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

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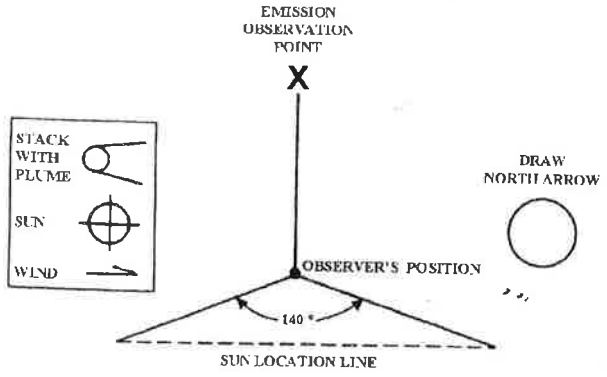
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1531	1600

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-10
2	5	10	10	10	10-10-10-10
3	10	10	10	10	10-10-10-10
4	10	10	10	10	10-10-10-10
5	10	10	10	10	#1-10-10-10-10
6	10	10	10	10	10-10-10-10
7	10	10	10	10	10-10-10-10
8	10	10	10	10	10-10-10-5
9	10	10	10	10	5-5-5-5
10	10	10	10	10	#1-5-5-5-5
11	10	10	10	10	5-5-5-5
12	10	10	10	10	5-5-5-5
13	10	10	10	10	5-5-5-5
14	10	10	10	10	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

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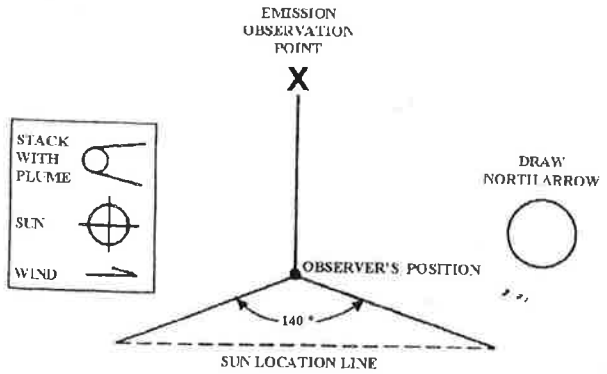
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 08-29-13 | Start Time: 1601 | End Time: 1630

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1-5-5-10-10
6					Brake
7					
8					
9					#1
10					
11					
12					
13					
14					#1
15					
16					
17					
18					
19					#1
20					Brake
21	5	5	5	5	#1 5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	#1 5-5-5-5
25	5	5	5	5	5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	10	10	10	10	5-5-5-5
30	10	10	10	10	#1 5-5-5-5

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius — Date: 01-29-13

Organization:

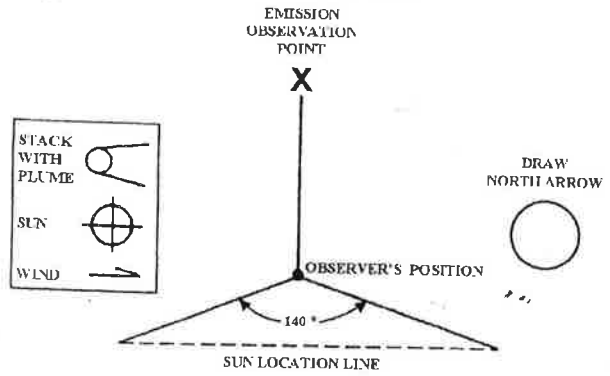
Certified by — Date:

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1631	1700

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	#1-5-5-5-5
2	10	10	10	10	5-5-5-5
3	10	10	10	10	5-5-5-10
4	10	10	10	10	10-10-10-10
5	10	10	5	5	#1-10-10-10-10
6	5	5	5	5	10-10-10-10
7	5	5	5	5	10-10-10-10
8	5	5	5	5	10-10-10-10
9	5	5	5	5	10-10-10-10
10	5	5	5	5	#1-10-10-10-10
11	5	5	5	5	10-10-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

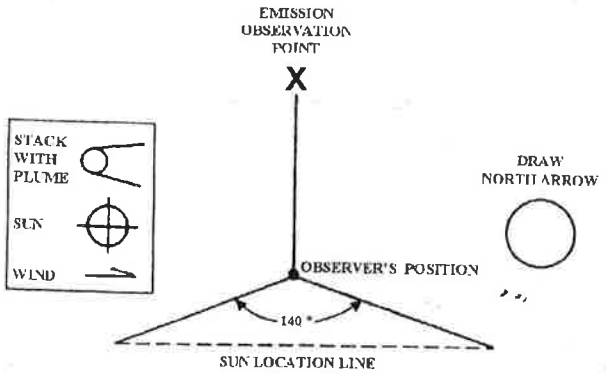
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

Observation Date	Start Time	End Time
01-29-13	1701	1730

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1-5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	10	10	10	#1-5-5-5-5
11	10	10	10	10	5-5-5-5
12	10	10	10	10	5-5-5-5
13	10	10	10	10	10-10-10-10
14	10	10	10	10	10-10-10-10
15	10	10	10	10	#1-10-10-10-10
16	5	5	5	5	10-10-10-10
17	5	5	5	5	10-10-10-10
18	5	5	5	5	10-10-10-10
19	5	5	5	5	10-10-10-10
20	5	5	5	5	#1-10-10-10-10
21	5	5	5	5	10-10-10-10
22	5	5	5	5	10-10-10-10
23	5	5	5	5	10-10-10-10
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

SOURCE LAYOUT SKETCH



Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Additional Information

Continue on reverse side

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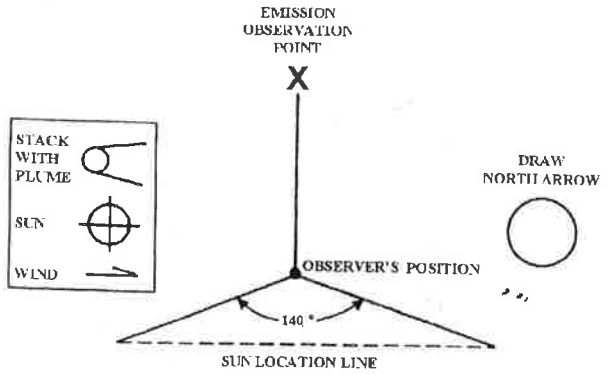
VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer Start End	
Distance to Emission Point Start End	Direction to Emission Point Start End	
Vertical Angle to Observation Pt. Start End	Direction to Observation Point Start End	
Describe Emissions Start End		
Emission Color Start End	If Water Droplet Plume (Circle) Attached Detached N/A	
Point In The Plume At Which Opacity Was Determined Start End		
Describe Plume Background Start End		
Background Color Start End	Sky Condition Start End	
Wind Speed Start End	Wind Direction Start End	
Ambient Temp Start End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1731	

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 - 5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-10
8	5	5	5	5	10-10-10-10
9	5	5	5	5	10-10-10-10
10	5	5	5	5	#1 - 10-10-10-10
11	5	5	5	5	10-10-10-10
12	5	5	5	5	10-10-10-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-10-10
15	5	5	5	5	#1 - 10-10-10-10
16	5	5	5	5	10-10-10-10
17	5	5	5	5	10-10-10-10
18	5	5	5	5	10-10-10-10
19	5	5	5	5	10-10-10-10
20	5	5	5	5	#1 - 10-10-10-10
21	5	5	5	5	10-10-10-10
22	5	5	5	5	10-10-10-10
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1 - 5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1 - 5-5-5-5

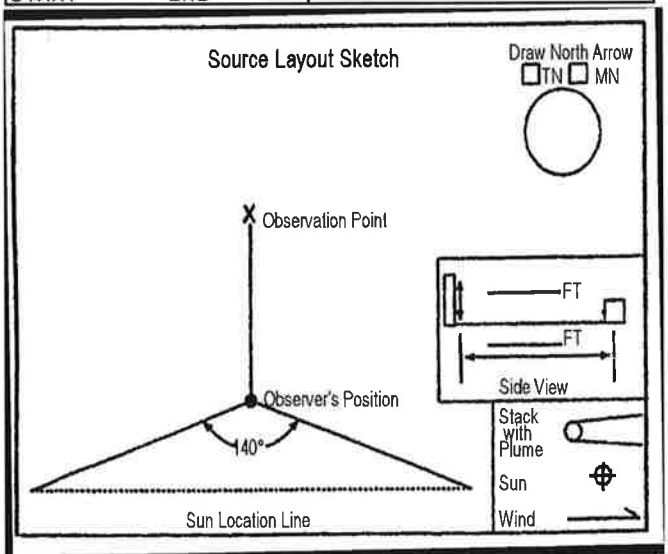
Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-29-13
Organization	
Certified by	Date

Continue on reverse side

(20)

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION		
CITY: BK	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #2 INCINERATOR		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER — START / END	
DISTANCE TO EMISSION POINT: 120 FT. — START / END	DIRECTION TO EMISSION PT. (DEGREES (0-360)) — START / END	
VERTICAL ANGLE TO OBSERVATION POINT — START / END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) — START / END	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT — START / END		
DESCRIBE EMISSIONS — START / END		
EMISSION COLOR: WHITE — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: TOWER LIGHT — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS: NIGHT — START / END	
WIND SPEED — START / END	WIND DIRECTION — START / END	
AMBIENT TEMP — START / END	WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

#1 INCINERATOR STOBILIZED

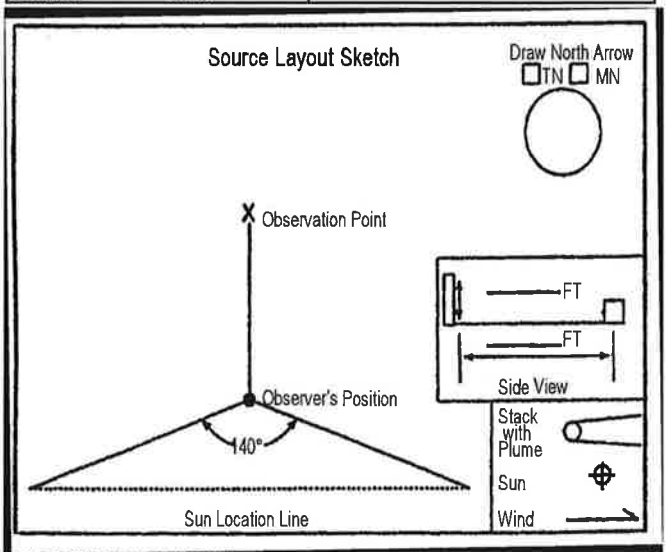
OBSERVATION DATE	START TIME	END TIME
1-29-13	0500	0530 HRS

SEC / MIN	0	15	30	45	COMMENTS
1	10	10	10	10	LOADING
2					
3					
4					
5					
6					
7	10	10	10	10	LOADING
8	20	20	20	20	MIXING LOAD
9	15	15	15	15	N N
10	10	10	10	10	LOADING
11					
12					
13					
14					
15					
16	10	10	10	10	LOADING
17	5	5	5	5	NO LOADING
18					
19					
20					
21					
22					
23					
24	5	5	5	5	NO LOADING
25	10	10	10	10	LOADING
26					
27					
28					
29					
30	10	10	10	10	LOADING

OBSERVER'S NAME (PRINT): ANTON HANA	
OBSERVER'S SIGNATURE	DATE: 1-29-13
ORGANIZATION: 1-29-13 NYC-DEP.	
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION:		
CITY: BK	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #1 INCINERATOR		OPERATING MODE:
CONTROL EQUIPMENT:		OPERATING MODE:
DESCRIBE EMISSION POINT:		
HEIGHT OF EMISSION POINT:	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER — START: END:	
DISTANCE TO EMISSION POINT: 120 FT. — START: END:	DIRECTION TO EMISSION PT. (DEGREES (0-360)) — START: END:	
VERTICAL ANGLE TO OBSERVATION POINT — START: END:	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) — START: END:	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT — START: END:		
DESCRIBE EMISSIONS — START: END:		
EMISSION COLOR: WHITE — START: END:	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: TOWER LIGHT — START: END:		
BACKGROUND COLOR — START: END:	SKY CONDITIONS: NIGHT — START: END:	
WIND SPEED — START: END:	WIND DIRECTION — START: END:	
AMBIENT TEMP — START: END:	WET BULB TEMP:	RH percent:



ADDITIONAL INFORMATION:

#2 INCINERATOR STABILIZED

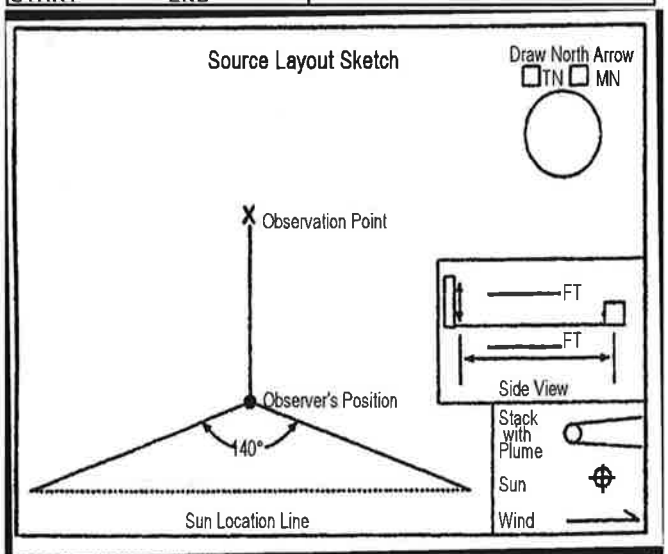
OBSERVATION DATE	START TIME	END TIME
1-29-13	0430	0500

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2					
3					
4					
5	5	5	5	5	NO LOADING
6	15	15	15	15	MIXING LOAD
7	15	15	15	15	" "
8	10	10	10	10	LOADING
9					
10					
11					
12					
13					
14	10	10	10	10	LOADING
15	5	5	5	5	LOADING
16					
17					
18					
19					
20	5	5	5	5	LOADING
21	5	5	5	5	NO LOADING
22					
23					
24					
25					
26					
27					
28					
29					
30	5	5	5	5	NO LOADING

OBSERVER'S NAME (PRINT): ANTON HANA	
OBSERVER'S SIGNATURE:	DATE: 1-29-13
ORGANIZATION: DEP-NYC	
CERTIFIED BY:	DATE:

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION:		
CITY: BK.	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #1 INCINERATOR	OPERATING MODE:	
CONTROL EQUIPMENT:	OPERATING MODE:	
DESCRIBE EMISSION POINT:		
HEIGHT OF EMISSION POINT:	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER — START: END:	
DISTANCE TO EMISSION POINT: 120 FT. — START: END:	DIRECTION TO EMISSION PT. (DEGREES (0-360)) — START: END:	
VERTICAL ANGLE TO OBSERVATION POINT — START: END:	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) — START: END:	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT — START: END:		
DESCRIBE EMISSIONS — START: END:		
EMISSION COLOR: WHITE — START: END:	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: TOWER LIGHT — START: END:		
BACKGROUND COLOR — START: END:	SKY CONDITIONS: NIGHT. — START: END:	
WIND SPEED — START: END:	WIND DIRECTION — START: END:	
AMBIENT TEMP — START: END:	WET BULB TEMP:	RH percent:



ADDITIONAL INFORMATION:

#2 INCINERATOR STABILIZED.

OBSERVATION DATE	START TIME	END TIME
1-29-13	0400	0430

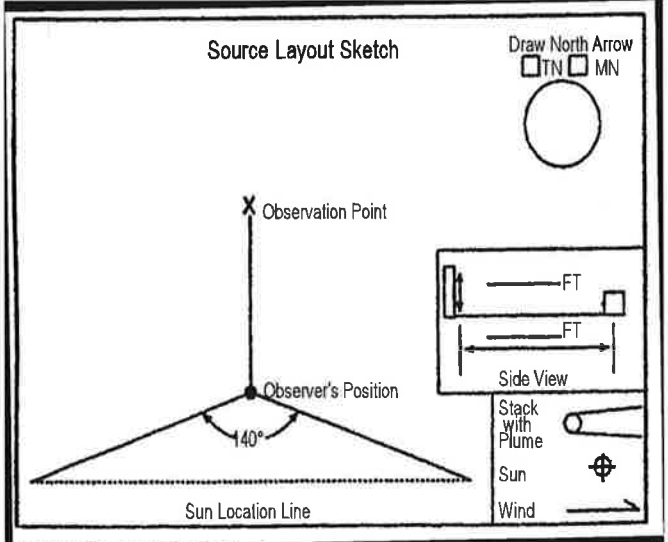
MIN \ SEC	0	15	30	45	COMMENTS
1	15	15	15	15	MIXING LOAD
2	15	15	15	15	N N
3	10	10	10	10	LOADING
4	10	10	10	10	
5					
6					
7					
8					
9					
10	10	10	10	10	LOADING
11	5	5	5	5	NO LOADING
12					
13					
14					
15					
16	5	5	5	5	NO LOADING
17	10	10	10	10	LOADING
18					
19					
20					
21					
22					
23					
24					
25	10	10	10	10	LOADING
26	5	5	5	5	NO LOADING
27					
28					
29					
30	5	5	5	5	NO LOADING

OBSERVER'S NAME (PRINT): ANTON HANA	
OBSERVER'S SIGNATURE:	DATE: 1-29-13
ORGANIZATION: NYC-DEP.	
CERTIFIED BY:	DATE:

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION:		
CITY: BK.	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #2 INCINERATOR		OPERATING MODE:
CONTROL EQUIPMENT:		OPERATING MODE:
DESCRIBE EMISSION POINT:		
HEIGHT OF EMISSION POINT:	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER: START END	
DISTANCE TO EMISSION POINT: 120 FT. START END	DIRECTION TO EMISSION PT. (DEGREES (0-360)): START END	
VERTICAL ANGLE TO OBSERVATION POINT: START END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)): START END	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT: START END		
DESCRIBE EMISSIONS: START END		
EMISSION COLOR: WHITE START END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: TOWER LIGHT START END		
BACKGROUND COLOR: START END	SKY CONDITIONS: NIGHT START END	
WIND SPEED: START END	WIND DIRECTION: START END	
AMBIENT TEMP: START END	WET BULB TEMP	RH percent

Source Layout Sketch



OBSERVATION DATE	START TIME	END TIME
1-29-13	0330	0400 HRS

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2					
3					
4					
5					
6					
7					
8					
9					
10	5	5	5	5	NO LOADING
11	15	15	15	15	MIXING LOAD
12	15	15	15	15	" "
13	10	10	10	10	LOADING
14	10	10	10	10	
15	5	5	5	5	
16					
17					
18					
19					
20					
21					
22					
23	5	5	5	5	LOADING
24	5	5	5	5	NO LOADING
25					
26					
27					
28					
29					
30	5	5	5	5	NO LOADING

OBSERVER'S NAME (PRINT): ONION HONG		
OBSERVER'S SIGNATURE: [signature]	DATE: 1-29-13	
ORGANIZATION: NYC-DEP.		
CERTIFIED BY	DATE	

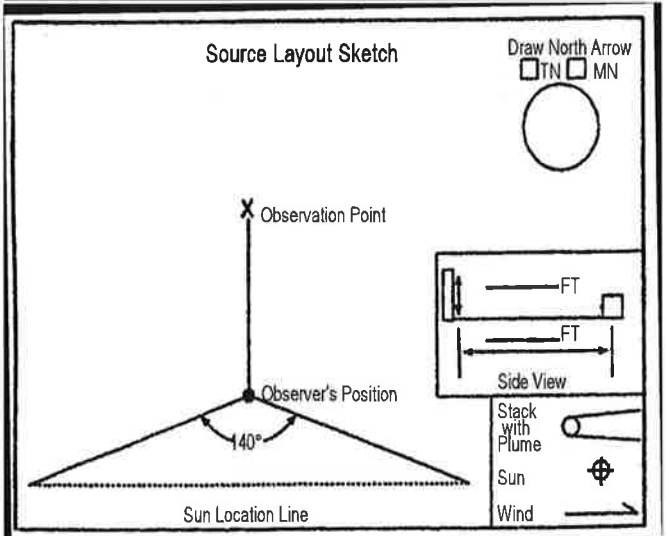
ADDITIONAL INFORMATION

#1 INCINERATOR STABILIZED

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION:		
CITY: BK	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #2 INCINERATOR	OPERATING MODE:	
CONTROL EQUIPMENT:	OPERATING MODE:	
DESCRIBE EMISSION POINT:		
HEIGHT OF EMISSION POINT:	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER — START: END:	
DISTANCE TO EMISSION POINT: 120 FT. — START: END:	DIRECTION TO EMISSION PT. (DEGREES (0-360)) — START: END:	
VERTICAL ANGLE TO OBSERVATION POINT — START: END:	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) — START: END:	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT — START: END:		
DESCRIBE EMISSIONS — START: END:		
EMISSION COLOR: WHITE — START: END:	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: TOWER LIGHT — START: END:		
BACKGROUND COLOR — START: END:	SKY CONDITIONS: NIGHT — START: END:	
WIND SPEED — START: END:	WIND DIRECTION — START: END:	
AMBIENT TEMP — START: END:	WET BULB TEMP:	RH percent:

Source Layout Sketch



ADDITIONAL INFORMATION

#1 INCINERATOR STABILIZED

OBSERVATION DATE	START TIME	END TIME
1-29-13	0300	0380 HRS

MIN \ SEC	0	15	30	45	COMMENTS
1	10	10	10	10	LOADING
2	10	10	10	10	
3	5	5	5	5	
4					
5					
6					
7					
8					
9					
10					
11	5	5	5	5	LOADING
12	5	5	5	5	NO LOADING
13					
14					
15					
16					
17					
18					
19					
20					
21	5	5	5	5	NO LOADING
22	10	10	10	10	LOADING
23	10	10	10	10	
24	5	5	5	5	
25					
26					
27					
28					
29					
30	5	5	5	5	LOADING

OBSERVER'S NAME (PRINT): ANTON HAND	
OBSERVER'S SIGNATURE:	DATE: 1-29-13
ORGANIZATION: NYC-DEP	
CERTIFIED BY:	DATE:

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION		
CITY: BK	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #1 INCINERATOR	OPERATING MODE	
CONTROL EQUIPMENT	OPERATING MODE	

DESCRIBE EMISSION POINT

HEIGHT OF EMISSION POINT	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END
DISTANCE TO EMISSION POINT 120 FT START END	DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END
VERTICAL ANGLE TO OBSERVATION POINT START END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END

DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT
START END

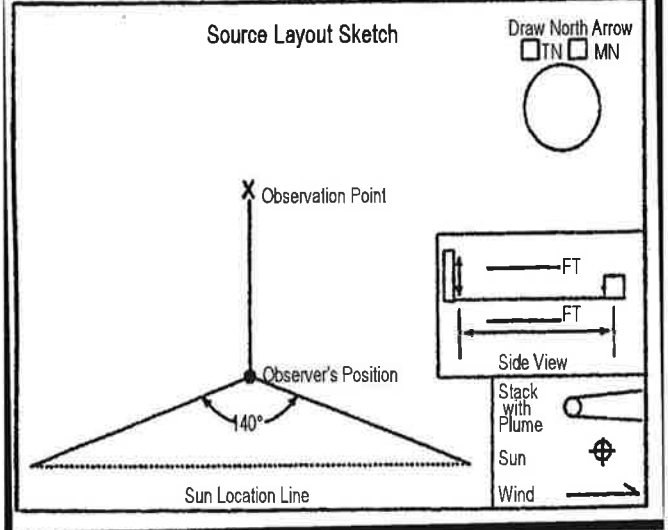
DESCRIBE EMISSIONS
START END

EMISSION COLOR WHITE START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐

DESCRIBE PLUME BACKGROUND
TOWER LIGHT
START END

BACKGROUND COLOR START END	SKY CONDITIONS NIGHT START END
WIND SPEED START END	WIND DIRECTION START END
AMBIENT TEMP START END	WET BULB TEMP RH percent

Source Layout Sketch



ADDITIONAL INFORMATION
#2 INCINERATOR STABILIZED

OBSERVATION DATE	START TIME	END TIME
1-29-13	0230	0300

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2					
3					
4					
5					
6					
7					
8	5	5	5	5	NO LOADING
9	15	15	15	15	MIXING LOAD
10	15	15	15	15	N N
11	10	10	10	10	LOADING
12					
13					
14					
15	10	10	10	10	LOADING
16	5	5	5	5	LOADING
17					
18					
19					
20					
21					
22	5	5	5	5	LOADING
23	5	5	5	5	NO LOADING
24					
25					
26					
27					
28					
29					
30	5	5	5	5	NO LOADING

OBSERVER'S NAME (PRINT): ANTON HANA	
OBSERVER'S SIGNATURE	DATE: 1-29-13
ORGANIZATION: NYC-DEP	
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
LOCATION: FLOYD BENNETT FIELD		
LOCATION:		
CITY: BK	STATE: N.Y.	ZIP: 11234
PROCESS EQUIPMENT: #1 INCINERATOR	OPERATING MODE:	
CONTROL EQUIPMENT:	OPERATING MODE:	

DESCRIBE EMISSION POINT:

HEIGHT OF EMISSION POINT:	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER: START / END
DISTANCE TO EMISSION POINT: 120 FT. START / END	DIRECTION TO EMISSION PT. (DEGREES (0-360)): START / END
VERTICAL ANGLE TO OBSERVATION POINT: START / END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)): START / END

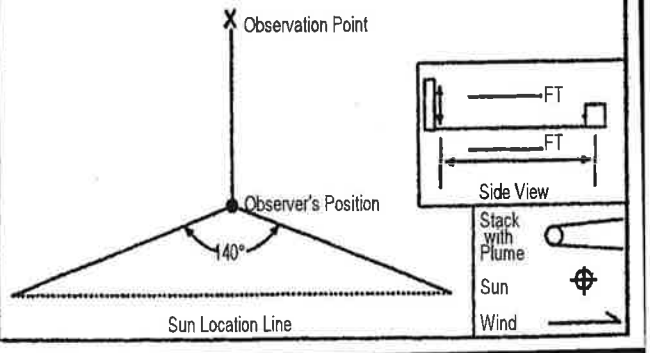
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT: START / END

DESCRIBE EMISSIONS: START / END

EMISSION COLOR: WHITE START / END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND: TOWER LIGHT. START / END	
BACKGROUND COLOR: START / END	SKY CONDITIONS: NIGHT. START / END
WIND SPEED: START / END	WIND DIRECTION: START / END
AMBIENT TEMP: START / END	WET BULB TEMP / RH percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION:

2 INCINERATOR STABILIZED

OBSERVATION DATE	START TIME	END TIME
1-29-13	0200	0230 HRS.

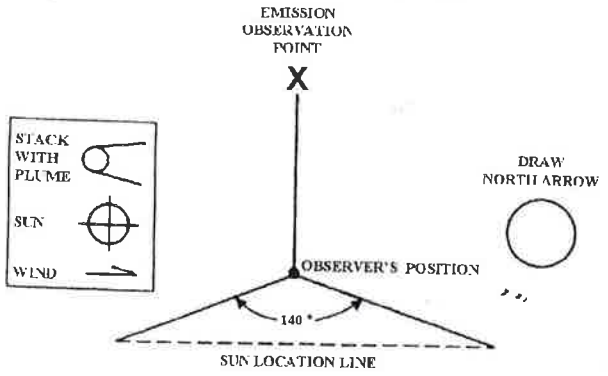
SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2					
3					
4					
5					
6					
7					
8					
9					
10	5	5	5	15	NO LOADING
11	10	10	10	10	LOADING
12	5	5	5	5	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22	5	5	5	5	LOADING
23	5	5	5	5	NO LOADING
24					
25					
26					
27					
28					
29					
30	5	5	5	5	NO LOADING

OBSERVER'S NAME (PRINT): ANTON HONA	
OBSERVER'S SIGNATURE:	DATE: 1-29-13
ORGANIZATION: NYC-DEP.	
CERTIFIED BY	DATE

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Observation Date	Start Time	End Time
01-29-13	0701	0730

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 - 5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	10-10-10-10 5Ar
9	5	5	5	5	10-10-5-5
10	5	5	5	5	#1 - 5-5-5-5
11	5	5	5	5	10-10-5-5
12	5	5	5	5	10-10-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1 - 5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1 - 5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1 - 5-10-10-10 Wood & Star
26	5	5	5	5	10-10-10-10
27	5	5	5	5	10-10-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1 - 5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

Additional Information

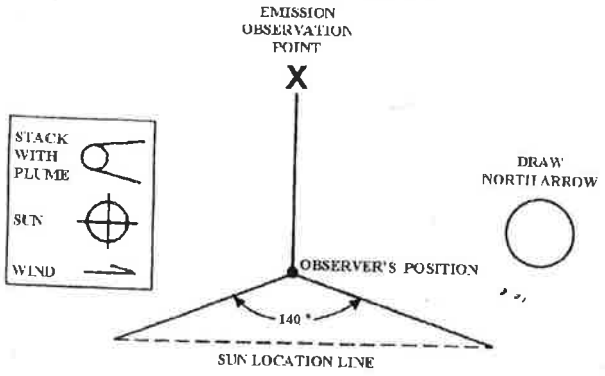
Under Weather Advisory / Slow Burn

(2)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	0731	0800

Min \ Sec	0	15	30	45		Comments
1	5	5	5	5		#1 - 5-5-5-5
2	5	5	5	5		5-5-5-5
3	5	5	5	5		5-5-10-10
4	5	5	5	5		10-10-5-5
5	5	5	5	5		#1 - 5-5-5-5
6	5	5	5	5		5-5-5-5
7	5	5	5	5		5-5-5-5
8	5	5	5	5		5-5-5-5
9	5	5	5	5		5-5-5-5
10	5	5	5	5		#1 - 5-5-5-5
11	5	5	5	5		5-5-5-5
12	5	5	5	5		5-5-5-5
13	5	5	5	5		5-5-5-5
14	5	5	5	5		5-5-5-5
15	5	5	5	5		#1 - 5-10-10-10
16	5	5	5	5		10-10-10-10
17	5	5	5	5		10-10-10-10
18	5	5	5	5		10-10-10-10
19	5	5	5	5		10-10-10-10
20	10	10	10	10	stir	#1 - 10-10-10-10
21	10	10	10	10		10-10-10-10
22	10	10	10	10		5-5-5-5
23	5	5	5	10	wind	5-5-5-5
24	10	10	10	10		5-5-5-5
25	10	10	10	10		#1 - 5-5-5-5
26	5	5	5	5		5-5-5-5
27	5	5	5	5		5-5-5-5
28	5	5	5	5		5-5-5-5
29	5	5	5	5		5-5-5-5
30	5	5	5	5		#1 - 5-5-5-5

stir @ wood

Observer's Name (Print)	Eric Gregorius
Observer's Signature	Eric Gregorius — Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

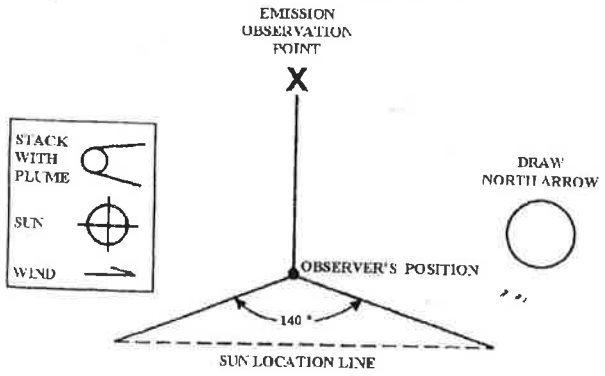
(2)

(3)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 01-29-13 | Start Time: 0801 | End Time: 0830

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 5-5-5-10
2	5	5	5	5	10-10-10-10
3	5	5	5	5	10-10-10-10
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1 - 10-10-10-10
6	5	5	5	5	15-15-15-15 stir
7	5	5	5	5	15-15-15-15
8	5	5	5	5	15-15-15-15 wood stir
9	5	5	5	5	15-15-15-15
10	5	5	5	5	#1 - 10-10-10-10
11	10	10	10	10	stir 10-10-10-10
12	10	10	10	5	10-10-10-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-10-10
15	5	5	5	5	#1 - 10-10-10-10
16	5	5	5	5	10-10-10-10
17	5	5	5	5	10-10-10-10
18	5	5	5	5	10-10-10-10
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1 - 5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1 - 10-10-10-10 stir
26	5	5	5	5	10-10-10-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1 - 5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

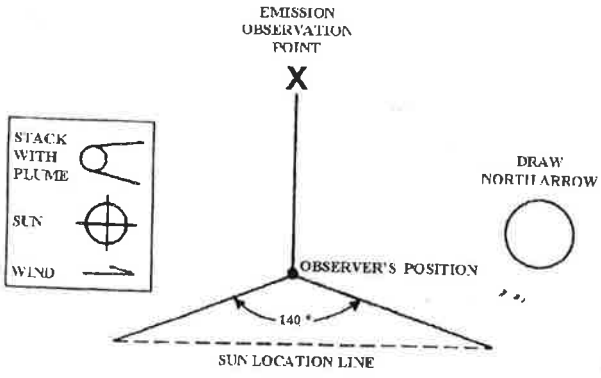
(3)

(4)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 01-29-13 | Start Time: 0831 | End Time: 0900

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 - 5-5-5-5
6	5	5	10	10	5-5-5-5
7	10	10	10	10	5-5-5-5
8	10	10	10	10	5-5-5-5
9	10	10	10	10	5-5-5-5
10	10	10	10	10	#1 - 5-5-5-5
11	10	10	10	10	5-5-5-5
12	10	10	10	10	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1 - 5-5-10-10
16	5	5	5	5	10-10-10-10
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-10-10-10
20	10	10	5	5	#1 - 10-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	10	10	10	10	5-5-5-5
24	10	10	10	10	5-5-5-5
25	10	10	10	5	#1 - 5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1 - 5-5-5-5

start

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

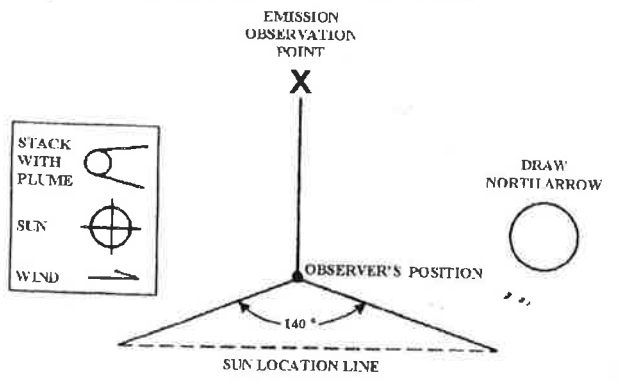
(4)

(5)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

922 RPM Raised

Observation Date: 01-29-13 | Start Time: 0901 | End Time: 0930

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1-5-5-5-5
6	5	5	5	5	5-5-5-10
7	5	5	5	5	10-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	10-10-10-5
10	5	5	5	5	#1-5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5 +
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	10	10	5-5-5-5
29	10	10	10	10	5-5-5-5
30	10	10	10	10	#1-5-5-5-5

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius | Date: 01-29-13

Organization:

Certified by | Date:

Continue on reverse side

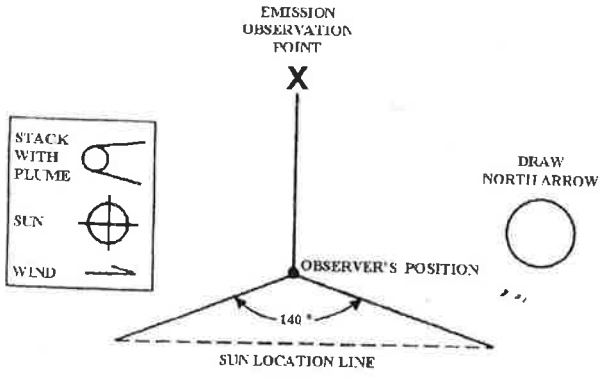
(5)

(6)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	0931	1000

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	#1-5-5-5-5
2	10	10	10	10	5-5-5-5
3	10	10	10	10	5-5-5-5
4	10	10	10	10	5-5-5-5
5	10	10	10	10	#1-5-5-5-5
6	10	10	10	10	5-5-5-5
7	10	10	10	10	5-5-5-5
8	10	10	10	10	5-5-5-5
9	10	10	10	10	5-5-5-5
10	10	10	10	10	#1-5-5-5-5
11	10	10	10	10	5-5-5-5
12	10	10	10	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	10	10	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

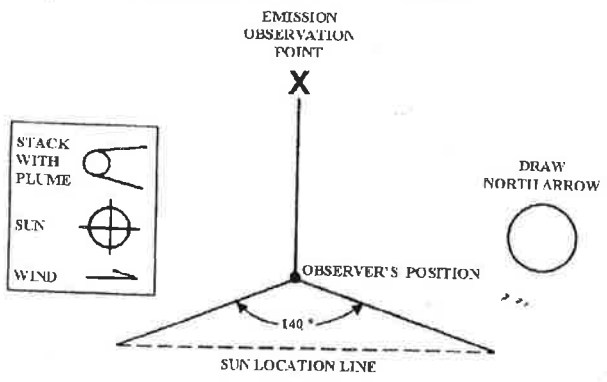
(6)

(7)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1001	1030

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	5-5-5-5
6	5	5	5	5	#1-5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	10-5-5-5
10	5	5	5	5	5-5-5-5
11	5	5	5	5	#1-10-10-10-10
12	5	5	5	10	10-10-10-10
13	10	10	5	5	10-10-10-10
14	5	5	5	5	10-10-10-10
15	5	5	5	5	10-10-5-5
16	5	5	5	5	#1-5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	5-5-5-5
21	5	5	5	5	#1-5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-10
25	5	5	5	5	10-10-10-10
26	5	5	5	5	#1-10-10-10-10
27	5	10	10	10	10-10-10-10
28	10	10	10	10	10-10-10-10
29	10	10	10	10	10-10-10-10
30	10	10	10	10	#1-10-10-10-10

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

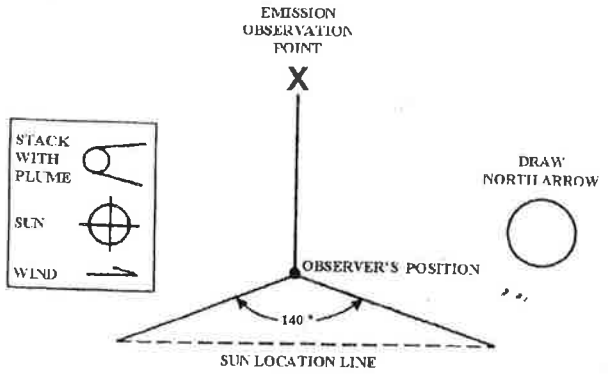
(7)

(8)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 01-29-13 | Start Time: 1031 | End Time: 1100

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	#1-10-10-10-10
2	10	10	10	10	10-10-10-10
3	10	10	10	10	10-10-10-10
4	10	10	10	10	10-10-10-10
5	5	5	5	5	10-10-10-10
6	5	5	5	5	#1-10-10-10-10
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	—	—	—	—	Brake
11					#1-
12					
13					
14					
15					
16					#1-
17					
18					
19					
20					
21					#1-
22					
23					
24					
25					
26					#1-
27					
28					
29					
30	—	—	—	→	#1-

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

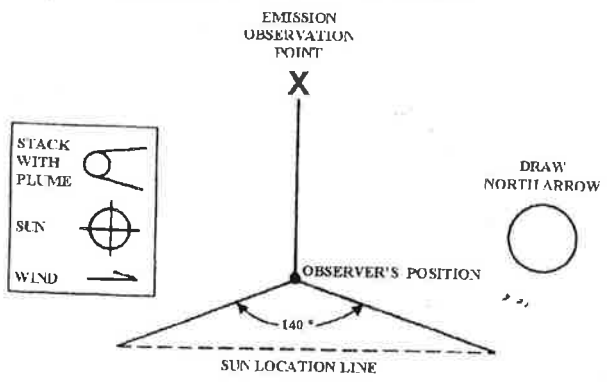
(8)

(9)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1101	1130

Min \ Sec	0	15	30	45	Comments
1					Brake - 1
2					Check on Chipping
3					" " Barn Saw Op.
4					As per Phone Call
5					from Dr. Phelan
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature	Date
Eric Gregorius	01-29-13
Organization	
Certified by	Date

Continue on reverse side

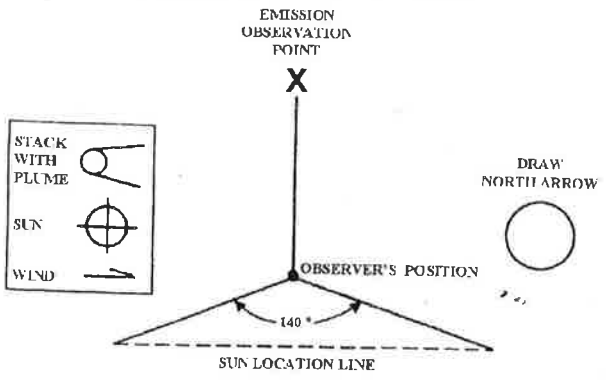
(9)

(10)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 01-29-13 | Start Time: 1131 | End Time: 1200

Min \ Sec	0	15	30	45	Comments
1					#1 -
2					
3					
4					
5					
6					#1 -
7					
8					
9					
10	5	5	5	5	10-10-10-10
11	5	5	5	5	#1-10-10-10-10
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	#1-5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	#1-5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	10-10-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

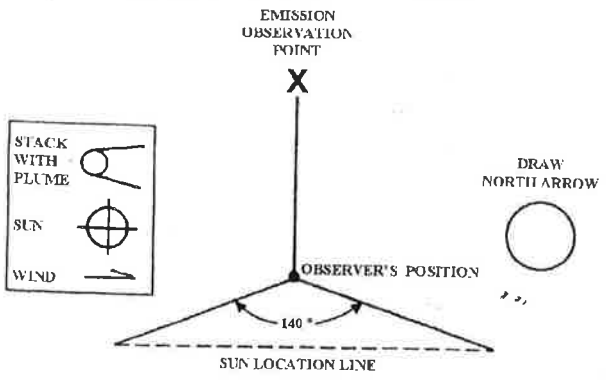
Continue on reverse side

(10)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer	Start / End
Distance to Emission Point	Direction to Emission Point	Start / End
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions	Start / End	
Emission Color	If Water Droplet Plume (Circle)	Attached / Detached / N/A
Point In The Plume At Which Opacity Was Determined	Start / End	
Describe Plume Background	Start / End	
Background Color	Sky Condition	Start / End
Wind Speed	Wind Direction	Start / End
Ambient Temp	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-29-13	1201	1230

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1-5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	10	5-5-5-5
9	10	10	10	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-10
26	5	5	5	5	10-10-10-10
27	5	5	5	5	10-10-10-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-10-10-10
30	5	5	5	5	#1-10-10-10-10

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

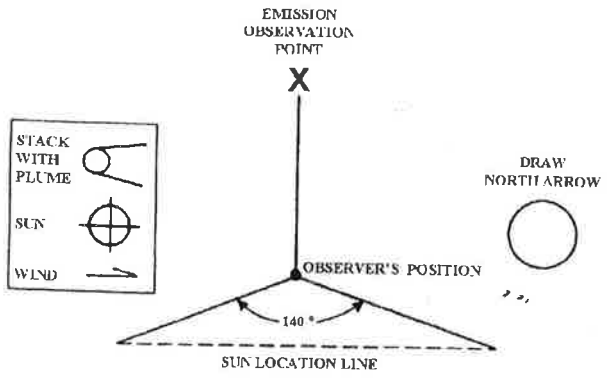
Continue on reverse side

(12)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start / End	Direction to Emission Point: Start / End	
Vertical Angle to Observation Pt. Start / End	Direction to Observation Point Start / End	
Describe Emissions: Start / End		
Emission Color: Start / End	If Water Droplet Plume (Circle): Attached / Detached / N/A	
Point In The Plume At Which Opacity Was Determined: Start / End		
Describe Plume Background: Start / End		
Background Color: Start / End	Sky Condition: Start / End	
Wind Speed: Start / End	Wind Direction: Start / End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

SOURCE LAYOUT SKETCH



Additional Information	

Observation Date: 01-29-13 | Start Time: 1231 | End Time: 1300

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 10-10-10-10
2	5	5	5	5	10-10-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 - 5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1 - 5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1 - 5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1 - 5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1 - 5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1 - 5-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-29-13
Organization	
Certified by	Date

Continue on reverse side

(12)