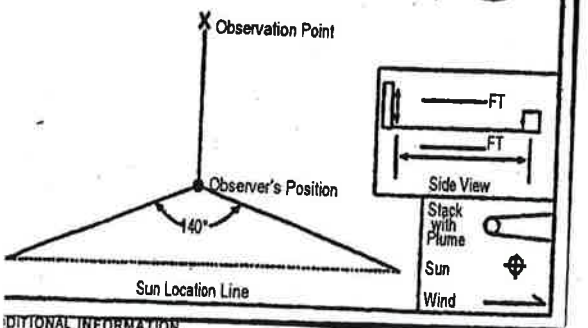
EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START / END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START / END		
BACKGROUND COLOR START / END	SKY CONDITIONS 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: 2/13/13 | START TIME: 0200 | END TIME: 0230

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

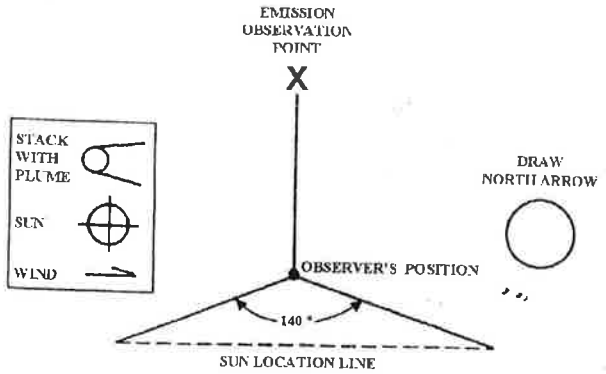
OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE		DATE 2/13/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

(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	Start Time	End Time
02-13-13	1231	1300

Min \ Sec	0	15	30	45		Comments
1	5	5	5	5		#1-10-10-5-5
2	5	5	5	5		5-5-5-5
3	5	5	5	5		5-5-5-5
4	5	5	5	5		5-5-5-10
5	5	5	5	5		#1-10-10-10-10
6	5	5	5	10	Sky ↓	10-10-10-10
7	10	10	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	10		#1-10-10-10-10
11	10	10	10	10		10-10-10-10
12	10	10	10	10		10-10-10-10
13	10	10	10	10		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		10-10-5-5
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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

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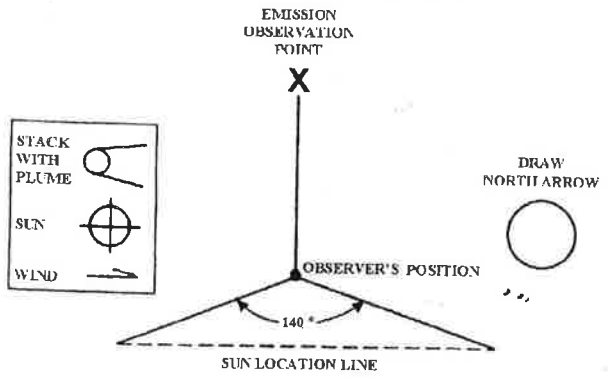
VISIBLE EMISSION OBSERVATION FORM

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
02-13-13	1301	1330

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	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	5-5-10-10
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	10-10-10-10
25	5	5	5	5	#1-10-10-10-10
26	5	5	5	5	10-10-10-10
27	5	5	5	5	10-10-10-10
28	5	5	5	5	10-10-10-10
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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

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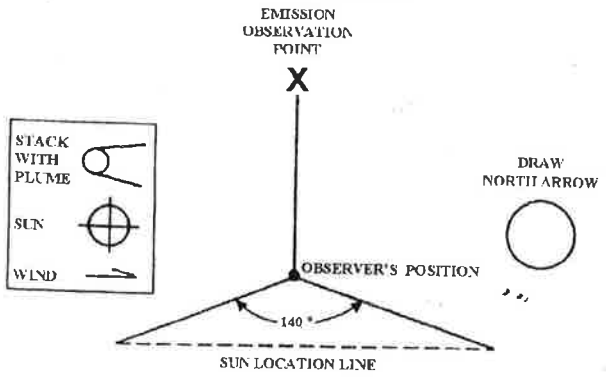
VISIBLE EMISSION OBSERVATION FORM

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: 02-13-13 | Start Time: 1331 | End Time: 1400

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-10
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	#1-5-5-5-5
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	5-10-10-10
18	5	5	5	5	10-10-10-10
19	5	5	5	5	10-10-10-10
20	5	5	5	10	#1-10-10-10-10
21	10	10	10	10	SHR 10-10-10-10
22	10	5	5	5	10-10-10-10
23	5	5	5	5	10-10-10-10
24	5	5	5	10	10-10-10-10
25	10	10	10	10	#1-10-10-10-10
26	10	10	10	10	10-10-10-10
27	10	5	5	5	10-10-10-10
28	5	5	5	5	10-10-10-10
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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

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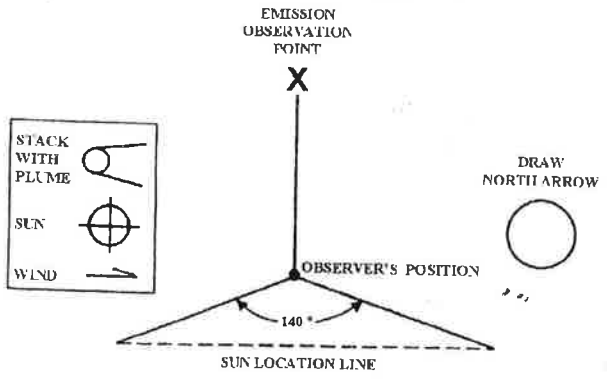
VISIBLE EMISSION OBSERVATION FORM

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: 02-13-13 | 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	#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	5-5-5-10
10	5	5	10	10	#1-10-10-10-10
11	10	10	10	10	10-10-10-10
12	10	10	10	10	10-10-10-5
13	10	10	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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

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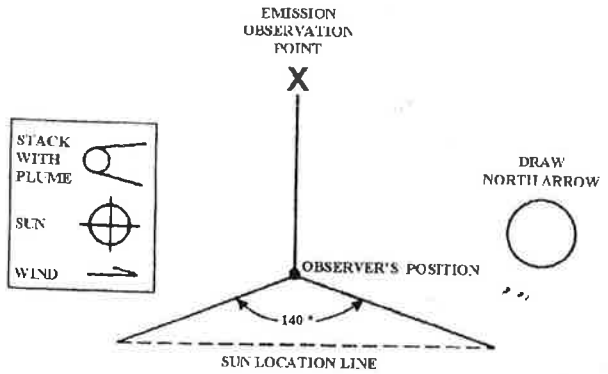
VISIBLE EMISSION OBSERVATION FORM

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
02-13-13	1531	1600

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	#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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

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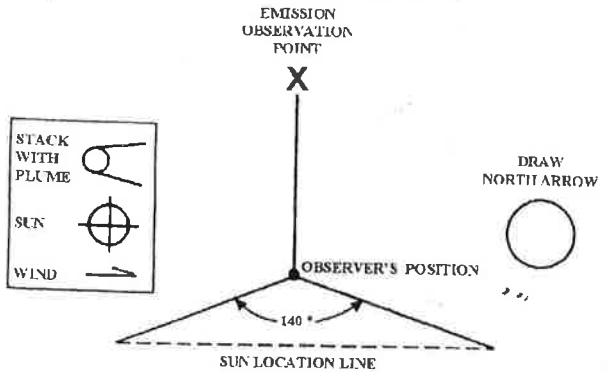
VISIBLE EMISSION OBSERVATION FORM

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
02-13-13	1601	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		#1-5-5-5-5
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		5-5-5-10
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	10	5 stir	10-5-5-5
14	10	10	5	5		5-5-10-10
15	5	5	5	5		#1-10-10-5-5
16	5	10	10	5	5 stir	10-10-5-5
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		5-10-10-10
30	5	5	5	5		#1-10-10-10-10

5 stir

5 stir

5 stir

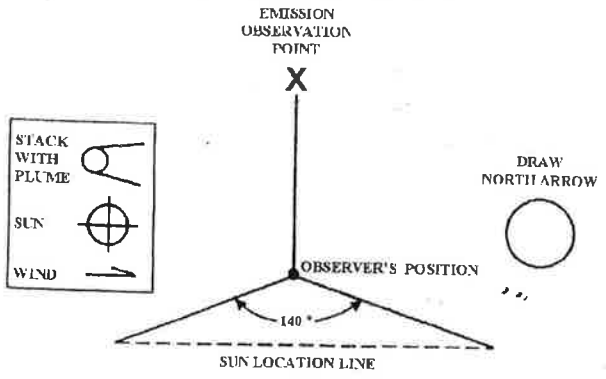
Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 02-13-13
Organization	
Certified by	Date

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: 02-13-13 | Start Time: 1631 | End Time: 1700

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 10-10-10-10
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	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	10-10-10-10
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	10	10	10	10	Stv #1 - 10-10-10-10
21	10	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	10-10-10-10
25	5	5	5	5	#1 - 10-10-10-10
26	5	5	5	5	10-10-10-10
27	5	5	5	5	10-10-10-10
28	5	5	5	5	10-10-10-10
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: 02-13-13

Organization

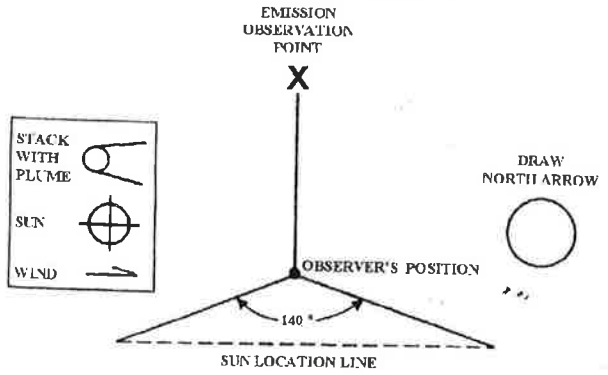
Certified by | Date

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: 02-13-13 | Start Time: 1701 | End Time: 1730

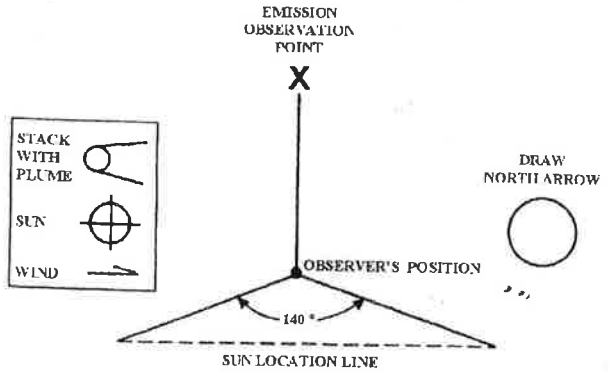
Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-10
2	5	5	5	5	10-10-10-10
3	5	5	5	5	10-10-10-10
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1-10-10-10-10
6	5	5	5	5	10-10-10-10
7	Engine off				10-10-10-10
8	Clean Out				Unable To Read #1
9	Ash				Due To Ash & Smoke from #2
10					#1-
11					
12					
13					
14					
15					#1-
16					
17					
18					
19					
20					#1-
21					Engine off
22	Add Wood To				
23	Keep Hot				
24					
25	Engine off				#1-
26					
27					
28					
29					Remove Ash
30					#1-

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
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
02-13-13	1731	1900

Min \ Sec	0	15	30	45	Comments
1	Engine off				#1 - Engine off
2	Keeping Unit				Ash Removed
3	Hot				
4					
5					#1 -
6					
7					
8					
9					
10					#1 -
11					
12					
13					
14					
15					#1 -
16					
17					Add Wood
18					Keep Hot
19					
20					#1 -
21					
22					
23					
24					
25					#1 +
26					
27					
28					
29					
30					#1 -

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
Organization	
Certified by	Date

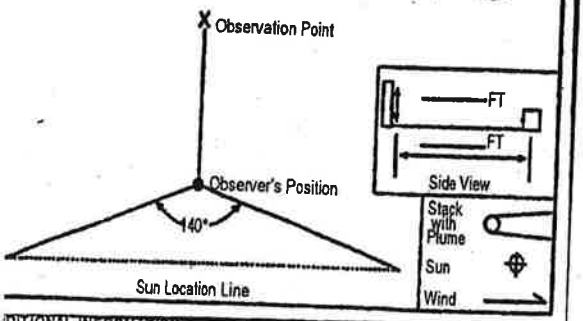
Continue on reverse side

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS 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

OBSERVATION DATE	START TIME	END TIME
2/13/13	0230	0300

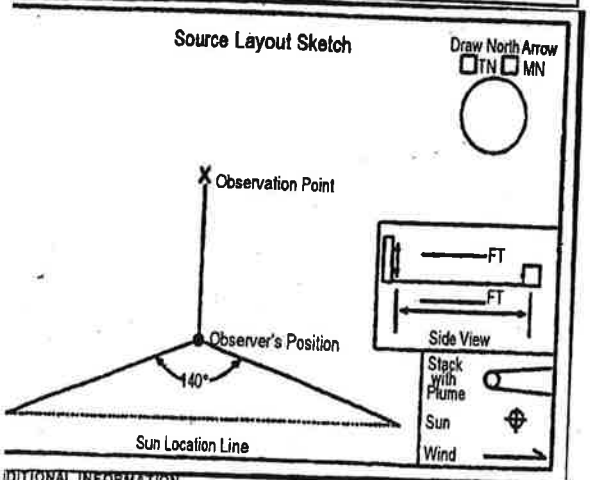
MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5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

OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE		DATE 2/13/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME			
LOCATION			
LOCATION			
CITY	STATE	ZIP	
PROCESS EQUIPMENT		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: 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: START / END		WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: START / END			
BACKGROUND COLOR: START / END		SKY CONDITIONS: 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
2	2/13/13	0300	0330

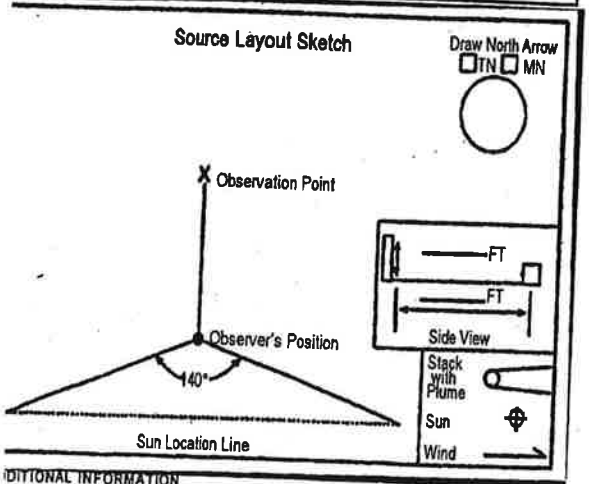
MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2	5	5	5	5	
3	5	5	5	5	
4	10	10	10	10	LOADING
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10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

OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE		DATE 2/13/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS 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
2/13/13	0330	0400

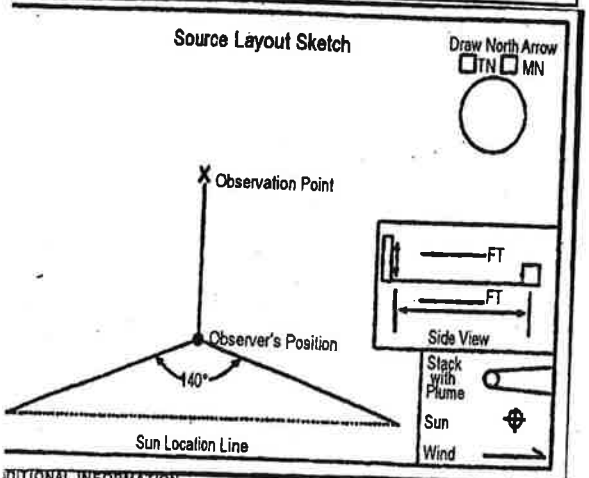
MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5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

OBSERVER'S NAME (PRINT)	JOE ACOSTA
OBSERVER'S SIGNATURE	DATE 2/13/13
ORGANIZATION	DEQ
CERTIFIED BY	DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS 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: 2/13/13 | START TIME: 0400 | END TIME: 0430

MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	LOADING
2	5	5	5	5	
3	10	10	10	10	
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	
21	10	10	10	10	
22	10	10	10	10	
23	10	10	10	10	
24	10	10	10	10	
25	10	10	10	10	
26	10	10	10	10	
27	10	10	10	10	
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

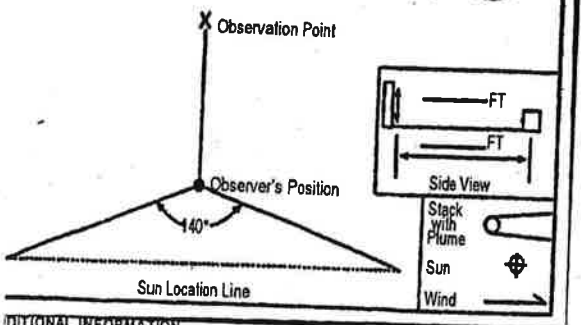
OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE	Ja	DATE 2/13/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS 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

OBSERVATION DATE: 2/13/13 | START TIME: 0430 | END TIME: 0500

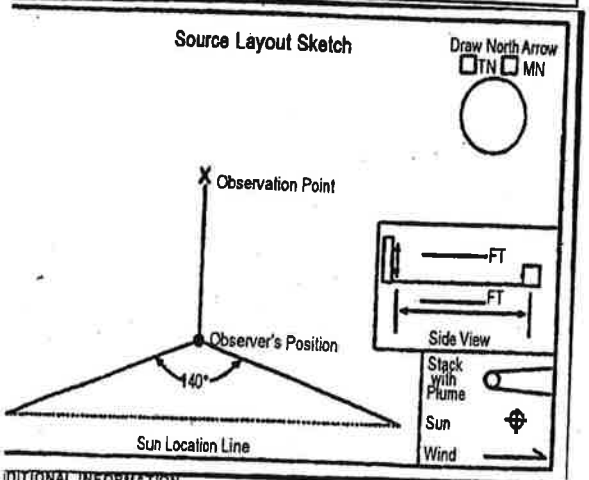
MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5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

OBSERVER'S NAME (PRINT)	JOE ACOSTA
OBSERVER'S SIGNATURE	DATE 2/13/13
ORGANIZATION	DEP
CERTIFIED BY	DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS 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
2/13/13	0500	0530

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

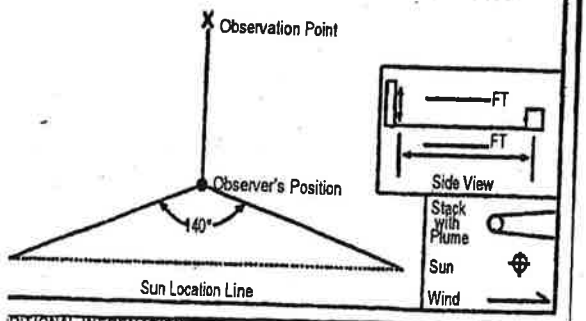
OBSERVER'S NAME (PRINT)	JOE ALOSTA	
OBSERVER'S SIGNATURE		DATE 2/13/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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 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 START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS 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

OBSERVATION DATE: 2/13/13 | START TIME: 0530 | END TIME: 0600

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

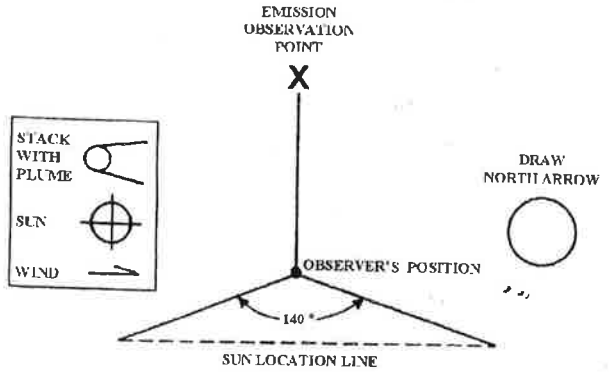
OBSERVER'S NAME (PRINT)	JOE ACOSTA
OBSERVER'S SIGNATURE	DATE 2/13/13
ORGANIZATION	DEP
CERTIFIED BY	DATE

(1)

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
02-13-13	0700	0730

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-10
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	10-10-10-15 wood
7	5	5	5	5	15-15-15-15
8	5	5	5	5	15-15-15-15
9	5	5	5	5	15-15-15-15
10	5	5	5	5	#1-15-15-15-15
11	5	5	5	5	15-15-15-15
12	5	5	5	5	15-15-15-15
13	5	5	5	5	15-15-15-15
14	5	5	5	5	10-10-10-10
15	10	10	10	10	5hr #1-10-10-10-10
16	10	10	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	10	10	10-10-10-10
20	10	10	10	10	#1-10-10-10-10
21	10	10	10	10	10-10-10-10
22	10	10	10	10	10-10-10-10
23	10	10	10	10	10-10-10-10
24	10	10	10	10	10-10-10-10
25	10	10	10	10	#1-10-10-10-10
26	10	10	10	10	10-10-10-10
27	10	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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

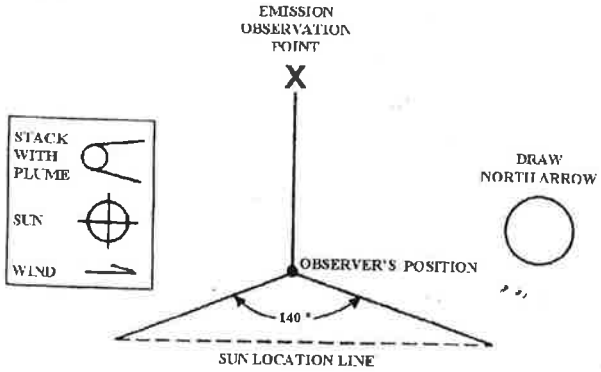
(1)

(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
02-13-13	0731	0800

Min \ Sec	0	15	30	45	Comments
1	10	10	10	5	#1-10-10-10-10
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	10-10-10-15 STK
7	5	5	5	5	15-15-15-15
8	5	5	5	5	15-15-15-15
9	5	5	5	5	15-15-15-10
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	10-10-10-10
24	5	5	5	5	10-10-10-10
25	5	5	5	5	#1-10-10-10-10
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: 02-13-13
Organization	
Certified by	Date
Continue on reverse side	

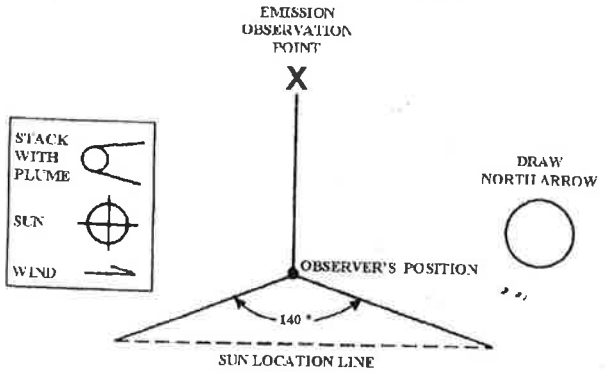
(2)

(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: 02-13-13 | Start Time: 0801 | End Time: 0830

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 stir
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1-10-10-10-10
6	5	5	5	5	10-10-10-15
7	5	5	5	5	15-15-15-15 wood
8	5	5	5	5	20-20-20-20
9	5	5	5	5	20-20-20-20
10	5	5	5	5	#1-20-20-20-20
11	5	5	5	5	20-20-20-20
12	5	5	5	5	20-20-20-20
13	5	5	5	5	20-20-20-20
14	5	5	5	5	20-20-15-15
15	5	5	10	10	#1-15-15-15-15
16	10	10	10	10	15-15-15-15
17	10	10	10	10	10-10-10-10
18	10	10	10	10	10-10-10-10
19	10	10	10	10	10-10-10-10
20	10	10	10	10	#1-10-10-10-10
21	10	10	10	10	10-10-10-10
22	10	10	10	10	10-10-10-10
23	10	10	5	5	10-10-10-10
24	5	5	5	5	10-10-10-10
25	5	5	5	5	#1-10-10-10-10
26	5	5	5	5	10-10-10-10
27	5	5	5	5	10-10-10-10
28	5	5	5	5	10-10-10-10
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: 02-13-13
Organization	
Certified by	Date
Continue on reverse side	

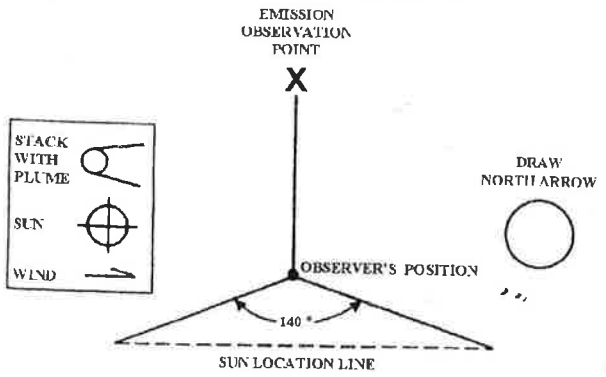
(3)

(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: 02-13-13 | Start Time: 0831 | End Time: 0900

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

(4)

(5)

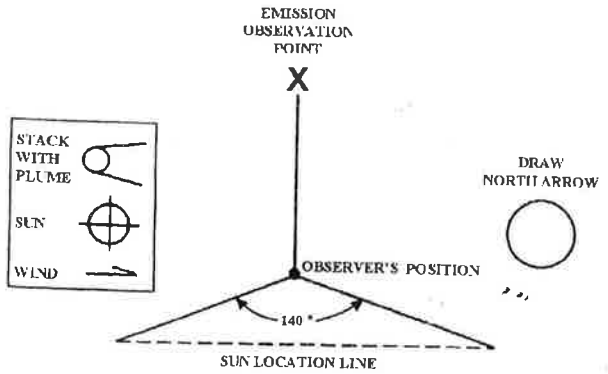
VISIBLE EMISSION OBSERVATION FORM

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

Observation Date: 02-13-13 **Start Time:** 0901 **End Time:** 0930

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	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	10-10-10-10
9	10	10	10	10	10-10-10-10
10	10	10	10	10	#1-10-10-10-10
11	10	10	10	10	10-10-10-10
12	10	10	10	10	10-10-10-10
13	10	10	10	10	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	10-10-10-5
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

SOURCE LAYOUT SKETCH



Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
Organization	
Certified by	Date

Additional Information

Continue on reverse side

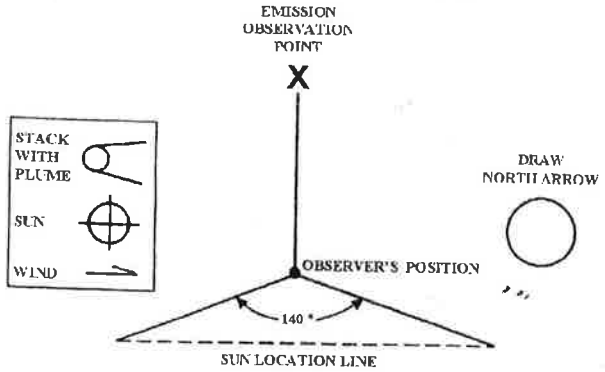
(5)

(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
02-13-13	0931	1000

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	5-5-5-10
7	5	5	5	5	10-10-10-10
8	5	5	5	5	10-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	→	→	→	→	Brake
12					
13					
14					
15					#1-
16					
17					
18					
19					
20					#1-
21					
22					
23					
24	→	→	→	→	Brake
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 02-13-13
Organization	
Certified by	Date

Continue on reverse side

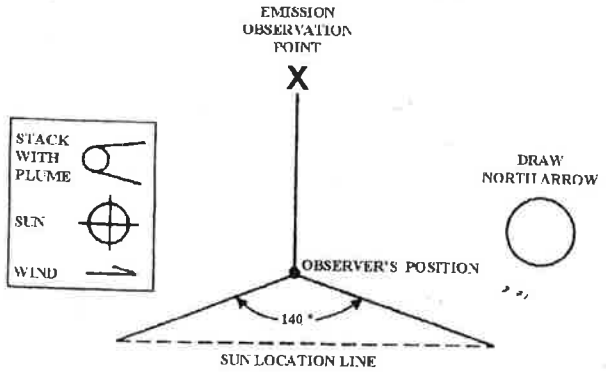
(6)

(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
02-13-13	1001	1030

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	#1 - 5 - 5 - 5 - 5
6	5	5	5	5	5 - 10 - 10 - 10 steam
7	5	5	5	5	10 - 10 - 10 - 10
8	5	5	5	5	10 - 10 - 10 - 10 wood
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	10	10 steam	10 - 10 - 10 - 10
15	10	10	5	5	#1 - 10 - 10 - 10 - 10
16	5	5	10	10	10 - 15 - 15 - 15
17	10	15	15	15 wood	15 - 15 - 5 smoke from #2
18	15	15	15	15	* Covering unit #1
19	15	15	15	15	
20	15	15	15	15	#1 -
21	15	15	15	15	
22	15	15	15	15	
23	15	15	15	15	
24	15	15	15	15	
25	15	15	15	15	#1 - 5 - 5 - 5 - 5
26	15	15	15	15	5 - 5 - 5 - 5
27	15	15	15	15	5 - 5 - 5 - 5
28	15	15	15	15	5 - 5 - 5 - 5
29	15	15	15	15	5 - 5 - 5 - 5
30	15	15	15	15	#1 - 5 - 5 - 5 - 5

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

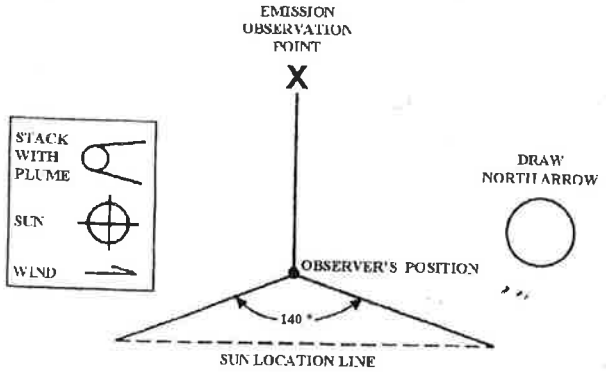
(7)

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: 02-13-13 | Start Time: 1031 | End Time: 1100

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

stir

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

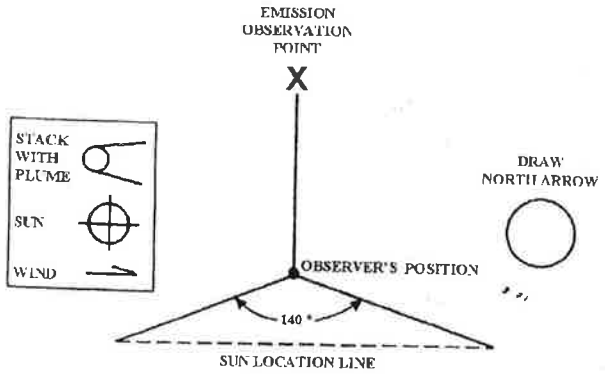
8

(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
02-13-13	1101	1130

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1-15-15-15-15
2	5	5	5	5	15-10-10-10
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	10-10-5-5
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	10-10-10-10 str
15	5	5	5	5	#1-10-10-5-5
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	5-5-5-10 str
27	5	5	5	5	10-10-10-10 wood
28	5	5	5	5	10-10-10-10
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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

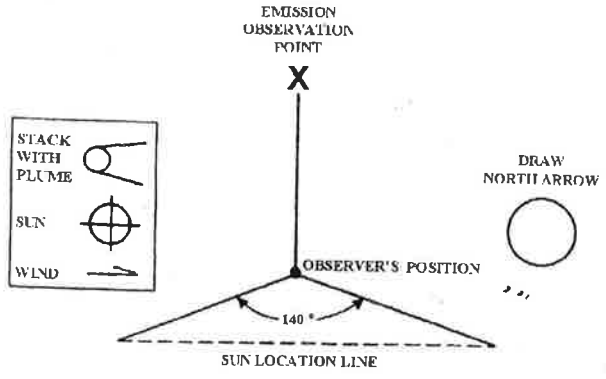
(9)

(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	Start Time	End Time
02-13-13	1131	1200

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-10
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	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	10-10-10-10
12	5	5	5	5	10-10-10-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-5-5
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	10	10	10	10	#1-5-5-5-5
21	10	10	10	10	5-5-5-5
22	10	10	10	10	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	10	#1 5-5-5-5
26	10	10	10	10	5-5-5-5
27	10	10	10	10	5-5-5-5
28	10	10	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: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

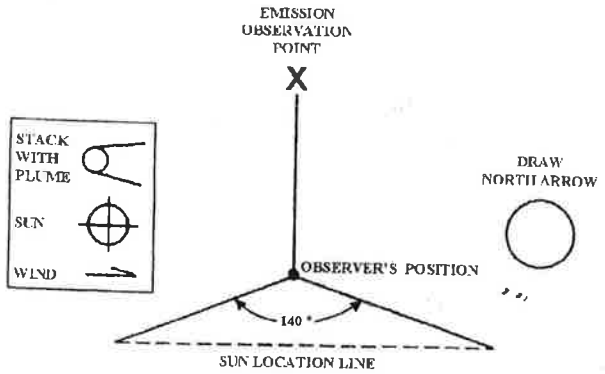
(10)

(11)

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: 02-13-13 | Start Time: 1201 | End Time: 1230

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	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	5-10-10-10
30	5	5	5	5	#1-10-10-10-10

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-13-13
Organization	
Certified by	Date

Continue on reverse side

(11)

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

(1)

COMPANY NAME: E.C.C		
LOCATION: Floyd Bennett Field		
LOCATION: Brooklyn		
CITY: Bklc	STATE: NY	ZIP:
PROCESS EQUIPMENT	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: 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

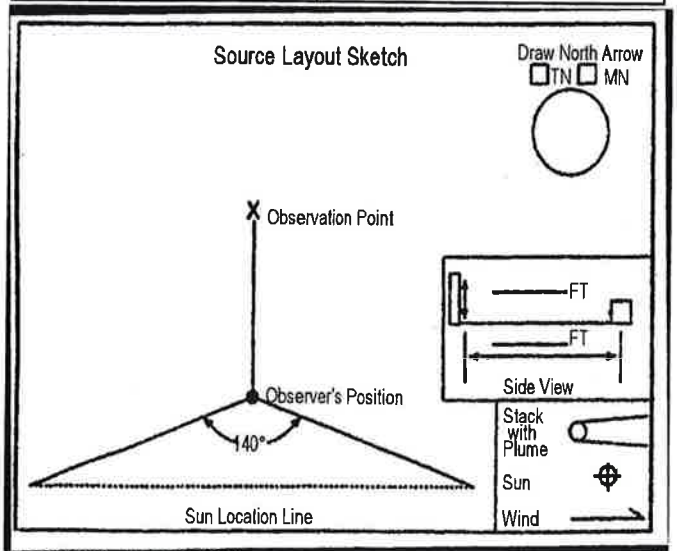
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT: START END

DESCRIBE EMISSIONS: START END

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

DESCRIBE PLUME BACKGROUND: START END

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



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	1800	1830

SEC / MIN	0	15	30	45	COMMENTS
1					
2					cleaning &
3					incinerators
4					
5					
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): H. Hayer.	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

(2)

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

COMPANY NAME: E.C.C		
LOCATION: Floyd Bennett field		
LOCATION: Brooklyn		
CITY: Bk	STATE: NY	ZIP:
PROCESS EQUIPMENT	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: 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

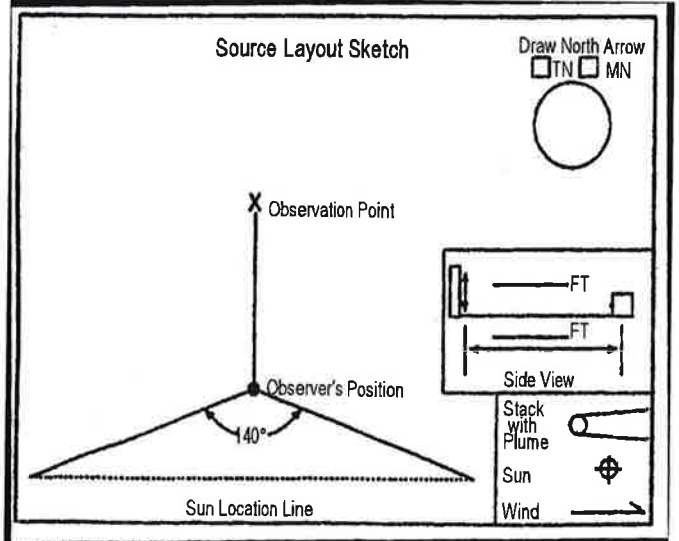
DESCRIBE EMISSIONS: START / END

EMISSION COLOR: START / END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐

DESCRIBE PLUME BACKGROUND: START / END

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

Source Layout Sketch



ADDITIONAL INFORMATION

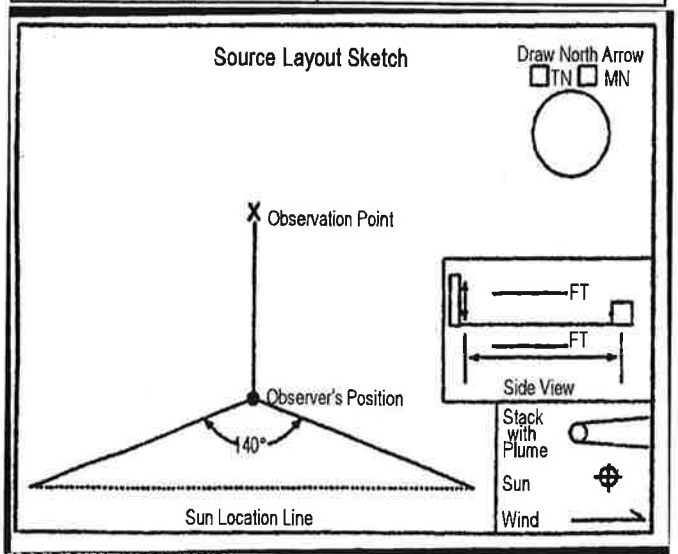
OBSERVATION DATE	START TIME	END TIME
2/13/13	1830	1900

SEC / MIN	0	15	30	45	COMMENTS
1					Clabaugh
2					Incinerators
3					
4					
5					
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): V. Hyatt	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

COMPANY NAME: E.C.C		
LOCATION: Floyd bennett field		
LOCATION: Brooklyn		
CITY: B.K	STATE: NY	ZIP:
PROCESS EQUIPMENT		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 — 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 — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS — START / END	
WIND SPEED — START / END	WIND DIRECTION — START / END	
AMBIENT TEMP — START / END	WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	1900	1930

SEC / MIN	0	15	30	45	COMMENTS
1	15	20	20	20	loading
2	25	20	30	30	
3	25	25	30	25	
4	25	30	20	25	
5	20	20	20	20	
6	20	20	20	20	
7	20	20	20	20	
8	20	15	15	15	
9	15	20	20	15	
10	15	15	15	15	m.t loading
11	15	15	10	15	
12	15	10	10	10	
13	10	15	15	10	
14	10	10	10	10	
15	10	10	15	15	
16	15	10	15	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	
21	10	5	10	5	
22	5	10	10	10	
23	10	10	5	5	
24	5	5	5	5	
25	5	5	5	5	
26	20	20	25	25	loading
27	30	30	30	35	
28	20	25	25	25	
29	25	20	20	20	
30	20	20	20	20	

OBSERVER'S NAME (PRINT): H. Hayati	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

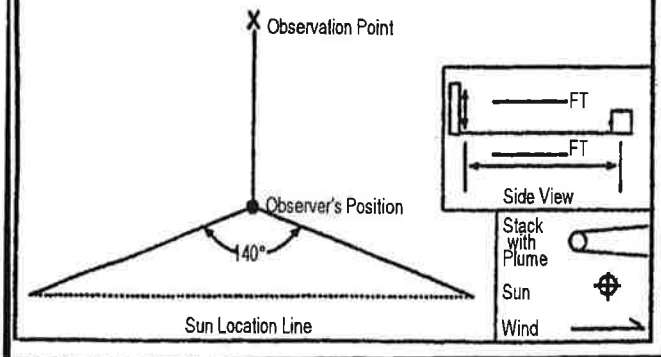
EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

4

COMPANY NAME: E.C.C		
LOCATION: Lloyd Hennett field		
LOCATION: Brooklyn		
CITY: B.K	STATE: NY	ZIP:
PROCESS EQUIPMENT	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 — 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 — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS — 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

OBSERVATION DATE: 2/13/13 | START TIME: 1930 | END TIME: 2000

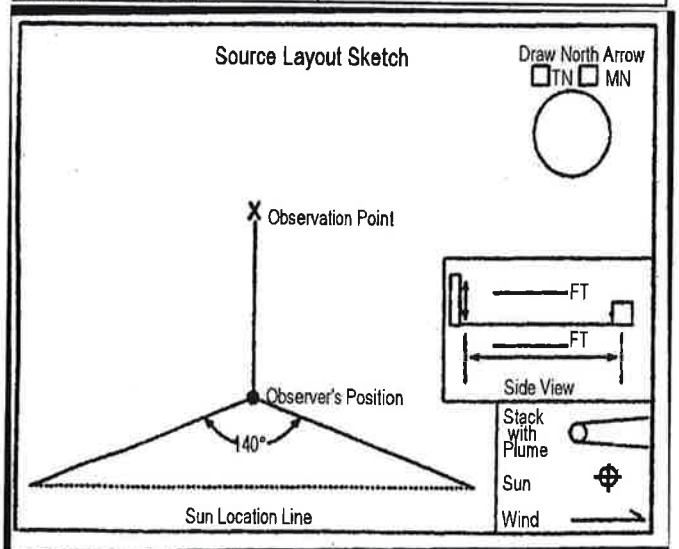
SEC / MIN	0	15	30	45	COMMENTS
1	20	20	20	20	
2	20	15	15	15	
3	15	15	15	15	
4	15	10	15	15	
5	15	15	15	15	
6	15	20	20	15	
7	15	15	15	15	mod loading
8	15	15	15	15	
9	15	10	15	15	
10	15	10	10	15	
11	15	10	10	10	
12	10	15	15	15	
13	15	15	10	10	
14	10	15	10	10	
15	15	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	10	10	5	
24	5	5	5	5	
25	5	5	5	5	
26	5	5	5	5	
27	5	5	5	5	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	0	

OBSERVER'S NAME (PRINT): M. Hayes	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

5

COMPANY NAME: K.C.C		
LOCATION: Floyd Bennett Field		
LOCATION: Brooklyn		
CITY: K.C.	STATE: NY	ZIP:
PROCESS EQUIPMENT	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 — 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 — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS — START / END	
WIND SPEED — START / END	WIND DIRECTION — START / END	
AMBIENT TEMP — START / END	WET BULB TEMP / RH percent	



ADDITIONAL INFORMATION

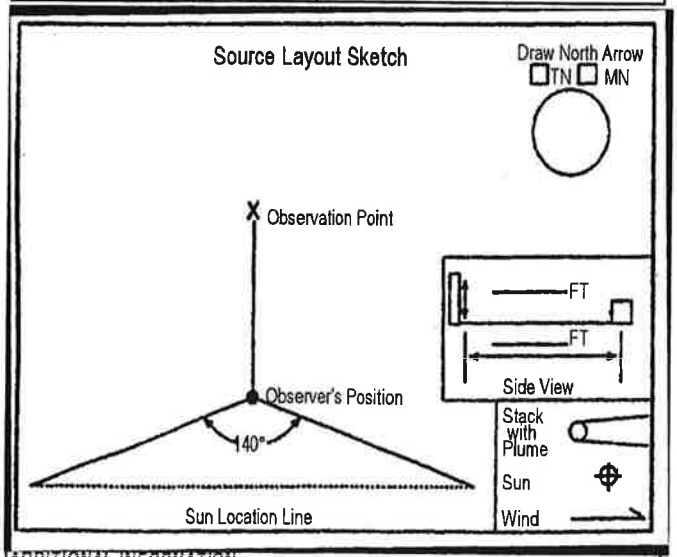
OBSERVATION DATE	START TIME	END TIME
2/13/13	2000	2030

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	
2	5	10	10	10	
3	5	10	10	10	
4	15	20	20	20	loading
5	25	20	20	20	
6	20	20	20	20	
7	25	25	30	25	
8	20	20	20	20	
9	20	15	15	20	
10	15	15	15	15	wt loading
11	10	15	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	15	10	10	
15	10	10	10	15	
16	10	10	10	10	
17	10	10	5	10	
18	5	10	10	10	
19	90	5	5	5	
20	5	10	10	5	
21	5	10	5	5	
22	5	5	10	10	
23	10	10	5	10	
24	10	5	10	10	
25	10	5	5	5	
26	20	20	20	20	loading
27	20	15	20	20	
28	25	20	15	20	
29	20	15	15	15	
30	15	20	20	15	

OBSERVER'S NAME (PRINT): H. Hyori	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

COMPANY NAME	E.C.C
LOCATION	Lloyd Bennett Field
LOCATION	Brooklyn
CITY	NYC
STATE	NY
ZIP	
PROCESS EQUIPMENT	
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 (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 (START / END)	
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND (START / END)	
BACKGROUND COLOR (START / END)	
SKY CONDITIONS (START / END)	
WIND SPEED (START / END)	
WIND DIRECTION (START / END)	
AMBIENT TEMP (START / END)	
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	2030	2100

SEC / MIN	0	15	30	45	COMMENTS
1	15	15	20	20	
2	15	20	20	20	
3	15	15	15	15	
4	15	15	15	10	2185 loading
5	15	10	10	15	
6	10	10	10	15	
7	10	15	10	10	
8	10	10	10	10	
9	10	10	10	10	
10	10	10	10	10	
11	10	5	5	10	
12	10	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	10	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	10	10	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5	5	5	
24	5	5	5	5	
25	5	10	10	5	
26	5	5	5	5	
27	5	5	5	5	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT)	H. Hyatt
OBSERVER'S SIGNATURE	DATE 2/13/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

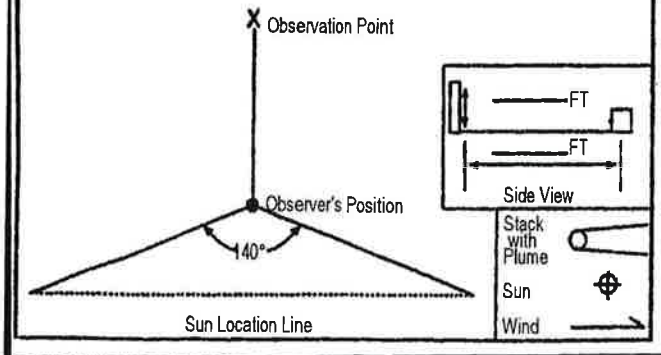
EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

7

COMPANY NAME	E.C.C
LOCATION	Floyd Bennett Field
LOCATION	Brooklyn
CITY	Bk.
STATE	NY
ZIP	
PROCESS EQUIPMENT	
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 (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 (START / END)	
WATER DROPLET PLUME (START / END)	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND (START / END)	
BACKGROUND COLOR (START / END)	
SKY CONDITIONS (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

OBSERVATION DATE	START TIME	END TIME
2/13/13	2100	2130

SEC / MIN	0	15	30	45	COMMENTS
1	15	5	5	5	
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	15	5	
9	20	20	15	15	10 a dus
10	15	20	20	20	
11	25	25	20	20	
12	20	25	20	20	
13	20	15	20	20	
14	20	20	20	20	
15	20	15	20	20	
16	20	15	20	20	
17	20	15	15	20	
18	20	15	15	15	
19	15	10	15	15	
20	15	15	10	20	
21	20	15	15	15	
22	15	15	15	15	
23	15	15	15	15	not loading
24	15	10	10	10	
25	10	10	10	15	
26	10	5	5	5	
27	5	10	5	5	
28	5	5	10	10	
29	10	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT)	H. Hyari
OBSERVER'S SIGNATURE	DATE 2/13/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

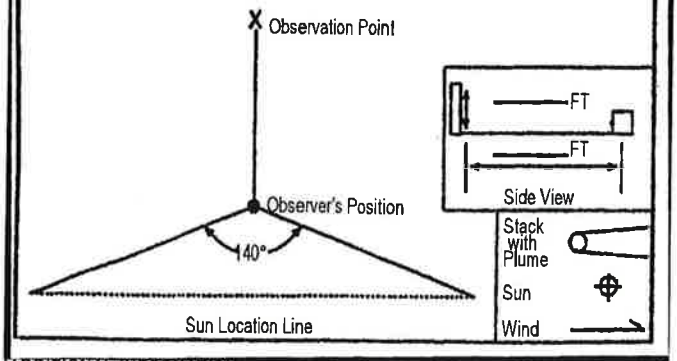
EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

8

COMPANY NAME: E-C-C		
LOCATION: Lloyd Bowman Field		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		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: 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: START / END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND: START / END		
BACKGROUND COLOR: START / END	SKY CONDITIONS: 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

OBSERVATION DATE: 2/13/13 | START TIME: 2130 | END TIME: 2200

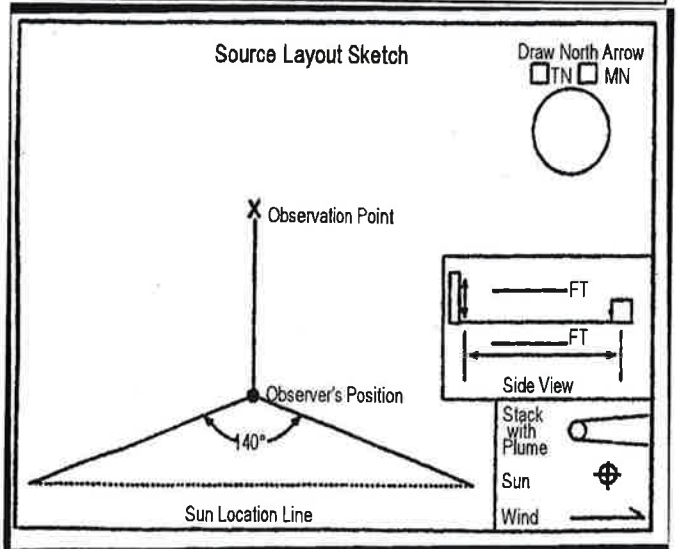
SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	
2	5	10	5	5	
3	5	5	10	10	
4	5	5	5	5	
5	5	5	10	10	
6	15	10	15	15	
7	15	10	10	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	5	
12	5	10	10	15	
13	15	15	20	20	loads
14	20	15	15	15	
15	15	15	15	15	
16	15	20	20	20	
17	20	15	20	20	
18	25	25	20	20	
19	15	15	15	15	
20	20	20	20	20	
21	20	15	15	15	
22	15	20	20	20	
23	20	15	15	20	
24	20	15	20	20	
25	15	15	15	15	lost loads
26	15	15	15	15	
27	15	15	15	15	
28	15	15	15	15	
29	10	15	10	10	
30	10	10	10	10	

OBSERVER'S NAME (PRINT): H. Hayati	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

9

COMPANY NAME	E. C. C
LOCATION	15 Loyd bennett field
LOCATION	Brooklyn
CITY	Bklc
STATE	NY
ZIP	
PROCESS EQUIPMENT	
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 (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 (START / END)	
WATER DROPLET PLUME (START / END)	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND (START / END)	
BACKGROUND COLOR (START / END)	
SKY CONDITIONS (START / END)	
WIND SPEED (START / END)	
WIND DIRECTION (START / END)	
AMBIENT TEMP (START / END)	
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	22 00	2230

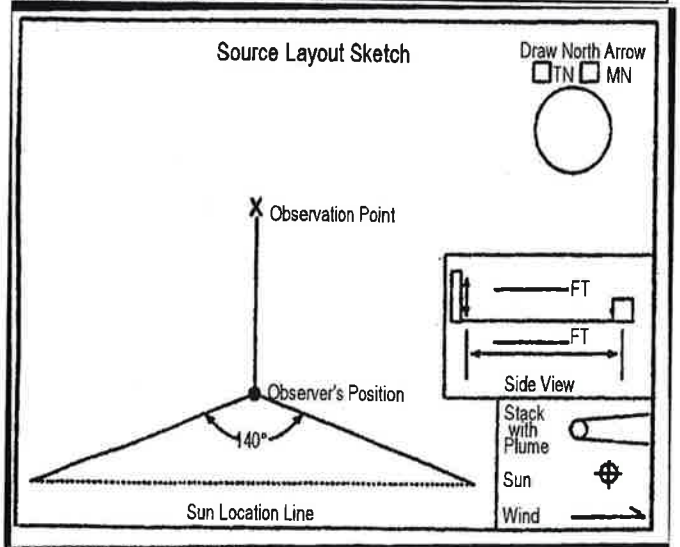
SEC / MIN	0	15	30	45	COMMENTS
1	10	10	15	10	
2	15	15	15	15	
3	15	15	15	15	
4	15	15	15	20	loadin
5	15	20	20	20	
6	15	20	15	15	
7	20	15	15	15	
8	15	15	20	20	
9	25	20	15	20	
10	15	15	15	15	
11	15	15	15	15	
12	15	10	10	10	
13	10	10	10	10	
14	10	15	15	15	
15	15	15	20	20	
16	20	20	15	15	
17	15	15	20	20	
18	15	20	20	25	
19	15	20	20	15	
20	15	15	15	10	not loadin
21	10	10	15	10	
22	10	10	10	10	
23	10	10	10	10	
24	10	10	15	10	
25	10	10	10	10	
26	10	15	15	10	
27	10	15	10	10	
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

OBSERVER'S NAME (PRINT)	H. Hyari
OBSERVER'S SIGNATURE	DATE 2/13/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

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

10

COMPANY NAME: E.C.C		
LOCATION: Floyd Bennett Field		
LOCATION: Brooklyn		
CITY: B.K	STATE: NY	ZIP:
PROCESS EQUIPMENT	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 — 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 — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS — START / END	
WIND SPEED — START / END	WIND DIRECTION — START / END	
AMBIENT TEMP — START / END	WET BULB TEMP / RH percent	



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	2230	2300

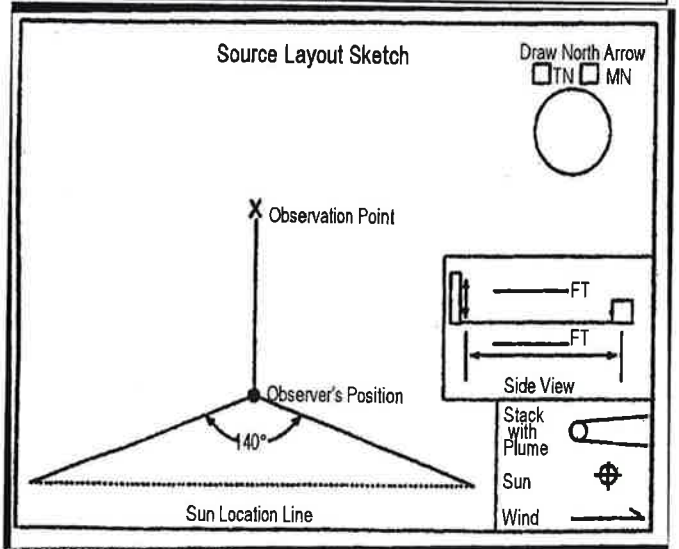
SEC / MIN	0	15	30	45	COMMENTS
1	10	10	5	5	
2	5	10	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	10	
7	10	10	5	10	
8	10	10	5	10	
9	20	20	20	25	loading
10	20	25	30	25	
11	20	20	15	15	
12	20	15	20	20	
13	15	20	15	20	
14	15	15	15	15	
15	15	20	20	20	w/ loading
16	10	10	15	15	
17	15	10	10	10	
18	10	10	10	10	
19	10	5	5	10	
20	10	15	10	10	
21	10	15	15	10	
22	10	10	10	5	
23	5	10	5	5	
24	5	5	5	5	
25	5	10	10	5	
26	10	5	5	5	
27	5	10	10	10	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT): W. Hagen	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

11

COMPANY NAME: U.C.C		
LOCATION: floyd bennett field		
LOCATION: Brooklyn		
CITY: B.K	STATE: NY	ZIP:
PROCESS EQUIPMENT	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 — 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 — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS — START / END	
WIND SPEED — START / END	WIND DIRECTION — START / END	
AMBIENT TEMP — START / END	WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	2300	2330

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	
2	5	10	10	5	
3	10	5	5	5	
4	15	15	15	15	loading
5	15	20	20	20	
6	20	20	20	20	
7	20	15	15	20	
8	20	25	25	15	
9	20	20	20	20	
10	20	15	15	15	
11	15	20	20	15	
12	15	15	20	15	
13	15	15	10	15	
14	15	15	15	20	
15	20	15	15	15	
16	10	10	15	15	not loading
17	15	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	
21	10	5	5	10	
22	5	10	10	10	
23	5	5	100	10	
24	10	5	5	5	
25	5	5	5	5	
26	5	5	5	5	
27	5	5	5	5	
28	5	10	10	5	
29	5	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT): J. Hayes	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

12

COMPANY NAME: BCC		
LOCATION: Lloyd Bennett field		
LOCATION: Brooklyn		
CITY: Bklc	STATE: NY	ZIP:
PROCESS EQUIPMENT	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: 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

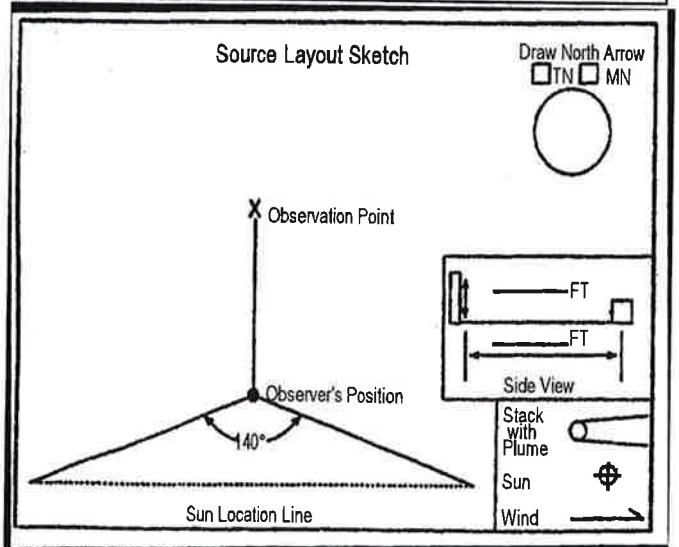
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT: START / END

DESCRIBE EMISSIONS: START / END

EMISSION COLOR: START / END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐

DESCRIBE PLUME BACKGROUND: START / END

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



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/13/13	2330	0000

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	10	
2	10	15	15	20	loading
3	20	20	20	20	
4	20	25	20	20	
5	20	20	20	20	
6	20	25	20	15	
7	15	15	15	15	
8	15	20	20	20	
9	20	15	15	20	
10	15	15	15	20	
11	15	15	10	10	not loading
12	10	15	15	15	
13	15	15	15	10	
14	10	10	10	15	
15	10	10	15	15	
16	10	10	10	10	
17	10	10	5	5	
18	5	5	10	10	
19	10	5	5	5	
20	5	5	5	10	
21	5	5	10	10	
22	10	10	5	10	
23	5	5	10	10	
24	10	10	10	10	
25	10	10	10	10	
26	10	5	5	10	
27	20	15	15	15	loading
28	15	15	20	20	
29	20	20	15	20	
30	20	20	20	15	

OBSERVER'S NAME (PRINT): W. Hyer	
OBSERVER'S SIGNATURE	DATE: 2/13/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

13

COMPANY NAME: E.C.L		
LOCATION: Floyd Bennett field		
LOCATION: Brooklyn		
CITY: B'K	STATE: NY	ZIP:
PROCESS EQUIPMENT:	OPERATING MODE:	
CONTROL EQUIPMENT:	OPERATING MODE:	

DESCRIBE EMISSION POINT:

HEIGHT OF EMISSION POINT: START END	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER: START END
DISTANCE TO EMISSION POINT: 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

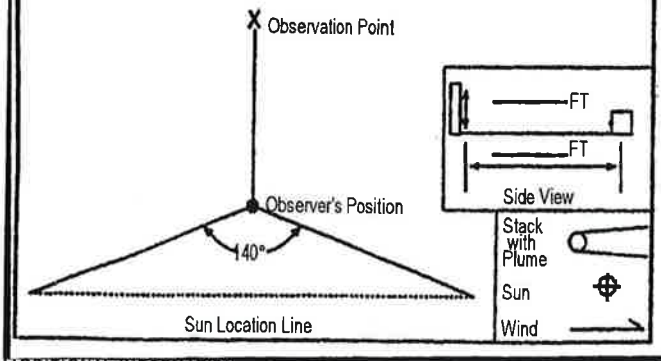
EMISSION COLOR: START END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐

DESCRIBE PLUME BACKGROUND: START END

BACKGROUND COLOR: START END	SKY CONDITIONS: 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:

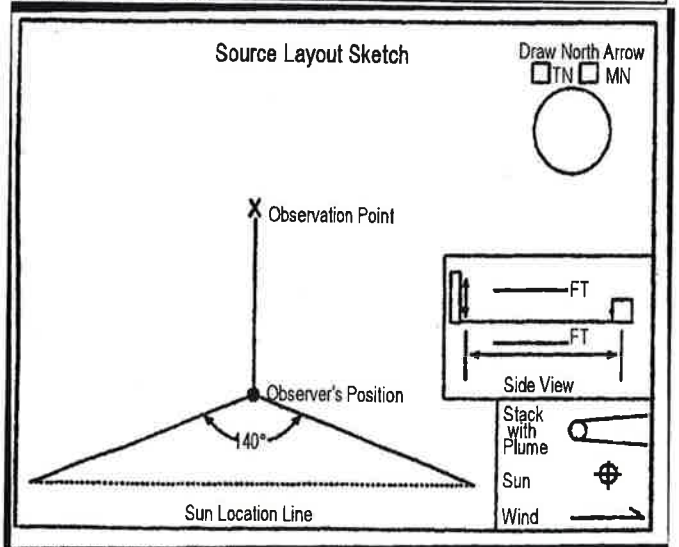
OBSERVATION DATE	START TIME	END TIME
2/14/13	0000	0030

SEC / MIN	0	15	30	45	COMMENTS
1	15	15	20	20	
2	20	20	20	15	
3	15	15	25	20	
4	25	30	25	25	
5	20	20	15	20	
6	20	20	15	15	
7	15	15	15	10	
8	15	10	15	15	
9	15	15	15	10	
10	15	15	10	10	wet bulb
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	5	5	10	
17	10	10	10	10	
18	10	5	10	10	
19	10	5	5	5	
20	5	5	5	5	
21	5	40	10	10	
22	10	5	5	5	
23	5	10	10	5	
24	5	5	5	5	
25	5	5	5	5	
26	5	5	5	5	
27	5	5	5	5	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT): N. Hyatt	
OBSERVER'S SIGNATURE	DATE: 2/14/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

COMPANY NAME	E.C.C
LOCATION	Lloyd Bennett Island
LOCATION	Brooklyn
CITY	B.K.
STATE	NY
ZIP	
PROCESS EQUIPMENT	
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 (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 (START / END)	
WATER DROPLET PLUME (START / END)	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND (START / END)	
BACKGROUND COLOR (START / END)	
SKY CONDITIONS (START / END)	
WIND SPEED (START / END)	
WIND DIRECTION (START / END)	
AMBIENT TEMP (START / END)	
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/14/13	0030	0100

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	
2	5	10	10	10	
3	10	5	5	5	
4	5	5	5	5	
5	5	10	10	5	
6	5	10	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	10	10	10	
10	10	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	10	10	10	
14	10	10	10	15	loading
15	15	15	15	15	
16	15	10	10	10	
17	15	20	20	10	
18	10	10	20	20	
19	10	10	15	15	
20	15	20	20	20	
21	20	20	15	15	
22	15	15	15	20	
23	20	20	20	15	
24	15	25	25	15	
25	20	15	15	15	
26	15	10	15	15	
27	10	10	15	15	
28	10	10	10	10	not loading
29	10	10	10	10	
30	10	10	10	5	

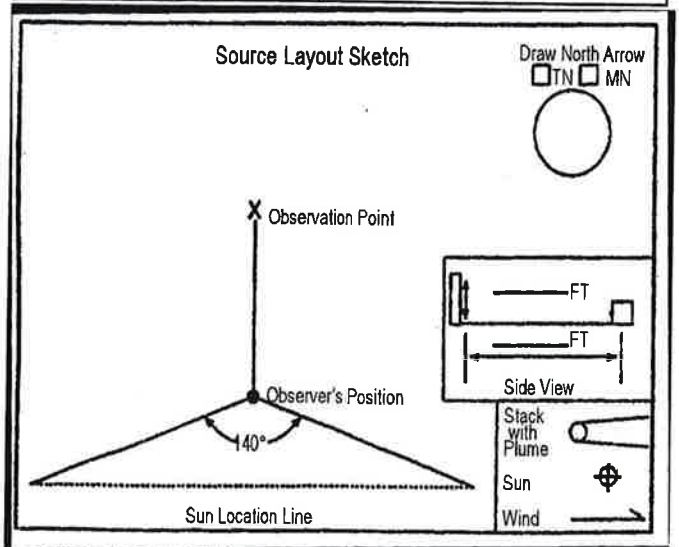
OBSERVER'S NAME (PRINT)	N. Hyatt
OBSERVER'S SIGNATURE	DATE 2/14/13
ORGANIZATION	N.Y.C DEP
CERTIFIED BY	DATE

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

15

COMPANY NAME: E.C.C		
LOCATION: Floyd Bennett Field		
LOCATION: Brooklyn		
CITY: Bk	STATE: NY	ZIP:
PROCESS EQUIPMENT	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: 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: START / END	WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND: START / END	
BACKGROUND COLOR: START / END	SKY CONDITIONS: START / END
WIND SPEED: START / END	WIND DIRECTION: START / END
AMBIENT TEMP: START / END	WET BULB TEMP / RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/14/13	START TIME: 0100	END TIME: 0130

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

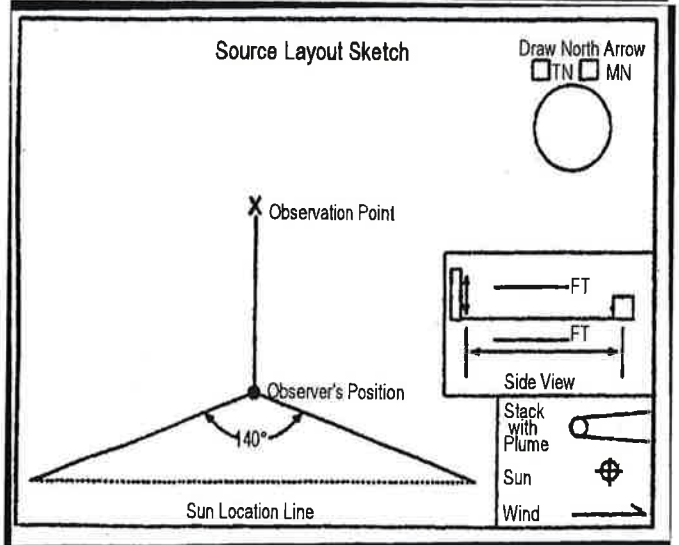
OBSERVER'S NAME (PRINT): H. Hyari	
OBSERVER'S SIGNATURE	DATE: 2/14/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

16

COMPANY NAME: E.C.C		
LOCATION: Floyd bennett field		
LOCATION: Brooklyn		
CITY: B.K	STATE: N.Y	ZIP:
PROCESS EQUIPMENT	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 — 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 — START / END	WATER DROPLET PLUME — ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND — START / END		
BACKGROUND COLOR — START / END	SKY CONDITIONS — 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
2/14/13	0130	0200

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

OBSERVER'S NAME (PRINT): A. Hajari	
OBSERVER'S SIGNATURE	DATE: 2/14/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE