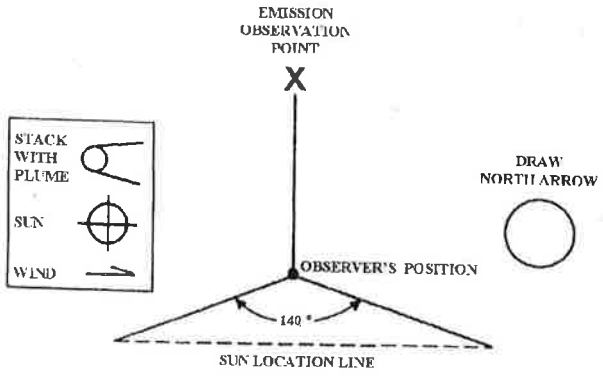
VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
City: BK	State: NY	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
1-31-13	0600	0630

Min \ Sec	0	15	30	45	Comments
1	20	20	20	20	with wind
2	20	20	20	20	
3	20	20	20	20	
4	20	20	20	20	
5	25	25	25	25	
6	25	25	25	25	
7	25	25	25	25	
8	25	25	25	25	
9	15	15	15	15	
10	15	15	15	15	
11	15	15	15	15	
12	15	15	15	15	
13	15	15	15	15	
14	15	15	15	15	
15	15	15	15	15	
16	10	10	10	10	
17	10	10	10	10	
18	25	25	25	25	
19	25	25	25	25	
20	25	25	25	25	
21	30	30	30	30	
22	30	30	30	30	
23	30	30	30	30	
24	30	30	30	30	
25	30	30	30	30	
26	30	30	30	30	
27	30	30	30	30	
28	35	35	35	35	
29	35	35	35	35	
30	35	35	35	35	with wind

Observer's Name (Print): Alfred Ghobryal

Observer's Signature: [signature] Date: 1-31-13

Organization: NYC DEP

Certified by / Date

Continue on reverse side

(1)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC			
Location: Floyd Bennett Field			
City: Brooklyn	State: NY	Zip:	
Process Equipment: air curtain burner		Operating Mode: ON	
Control Equipment:		Operating Mode:	

Describe Emission Point: open flame

Height of Emission Point: 12 ft	Height Relative to Observer: Start 12 ft End
Distance to Emission Point: Start 120 ft End	Direction to Emission Point: Start NE End
Vertical Angle to Observation Pt. Start End	Direction to Observation Point Start End

Describe Emissions: Start grayish smoke End

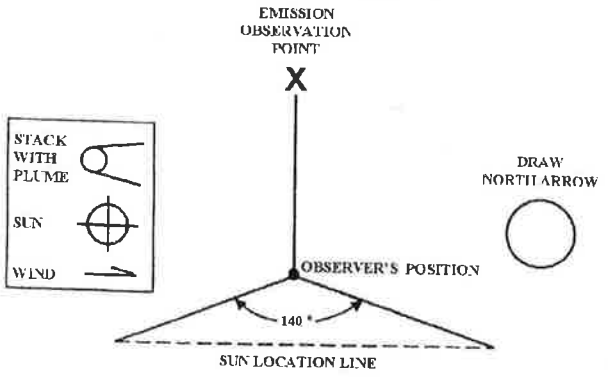
Emission Color: Start gray End	If Water Droplet Plume (Circle): Attached Detached (N/A)

Point In The Plume At Which Opacity Was Determined: Start 6ft above burner End

Describe Plume Background: Start Sky (night) End

Background Color: Start black End	Sky Condition: Start night End	
Wind Speed: Start 10-30 mph End	Wind Direction: Start WSW End	
Ambient Temp: Start 42° End	Wet Bulb Temp:	RH Percent:

SOURCE LAYOUT SKETCH



Additional Information:

Observation Date	Start Time	End Time
1-31-13	1801	1830

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

Observer's Name (Print): Daniel E. Phelan	
Observer's Signature: Daniel E Phelan	Date: 1-31-13
Organization: NYCDEP	
Certified by: Whetlow Enterprises	Date: 12-27-12

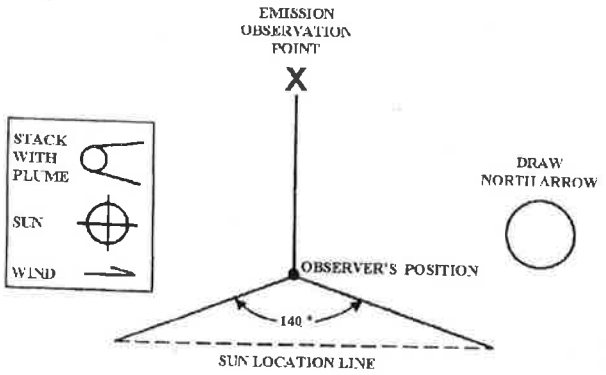
Continue on reverse side

(2)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: Floyd Bennett field		
City: Brooklyn	State: NY	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: 1-31-13	Start Time: 1831	End Time: 1900

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

Observer's Name (Print): Daniel E Phelan	
Observer's Signature: Daniel E Phelan	Date: 1-31-13
Organization: NYCDEP	
Certified by	Date

Continue on reverse side

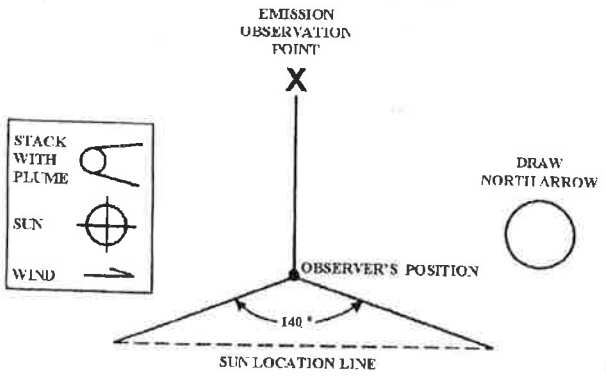
VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: FBF		
City: Bklyn	State: NY	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
1-31-13	1901	1930

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

SOURCE LAYOUT SKETCH



Observer's Name (Print): D. Phelan	
Observer's Signature: Daniel Phelan	Date: 1-31-13
Organization: MCDEP	
Certified by	Date

Additional Information

Continue on reverse side

(4)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: FBE		
City: BKlyn	State: NY	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

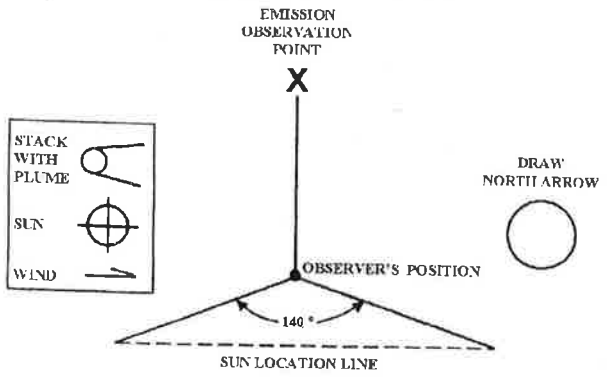
Start / End

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: 1-31-13	Start Time: 1931	End Time: 2000	
Sec / Min	0	15	30	45	Comments
1	5	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	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	10	
12	5	5	5	5	
13	5	10	5	5	
14	5	5	5	5	
15	10	5	10	5	
16	10	5	5	10	
17	5	5	5	5	
18	5	5	10	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	10	10	
22	15	10	10	10	
23	10	10	5	5	
24	5	10	15	10	
25	10	5	5	5	
26	10	15	20	15	
27	10	5	5	10	
28	5	5	10	5	
29	5	10	5	5	
30	5	5	5	5	

Observer's Name (Print): D. Phelan	
Observer's Signature: Daniel Phelan	Date: 1-31-13
Organization: NYCDEP	
Certified by	Date

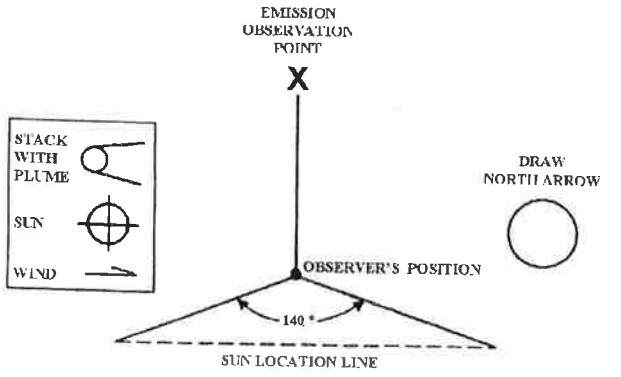
Continue on reverse side

(5)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: FBF		
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: 1-31-13	Start Time: 2001	End Time: 2030

Sec / Min	0	15	30	45	Comments
1	5	10	10	15	(loading wood)
2	20	20	15	15	
3	15	15	20	15	
4	30	50	25	20	(puff of black smoke)
5	15	20	15	10	
6	15	10	10	15	
7	10	5	5	10	
8	15	25	20	15	
9	15	20	10	15	
10	25	15	10	10	
11	10	5	15	15	
12	15	30	55	20	(puff of black)
13	15	10	10	15	
14	15	10	10	5	
15	10	15	10	10	
16	10	5	5	10	
17	10	15	10	5	
18	5	10	10	10	
19	10	10	10	10	
20	10	10	5	5	
21	5	5	5	5	
22	5	5	5	10	
23	15	15	10	10	
24	10	10	5	5	
25	10	5	5	10	
26	10	5	10	5	
27	10	15	5	5	
28	5	5	5	10	
29	5	5	5	5	
30	5	5	5	5	

Observer's Name (Print): D. Phelan	
Observer's Signature: [signature]	Date: 1-31-13
Organization: NVCAPCD	
Certified by	Date

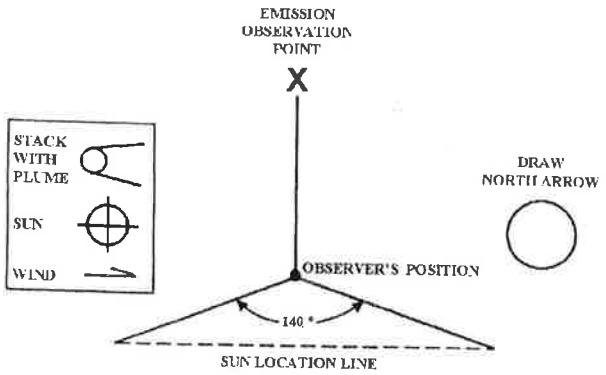
Continue on reverse side

(6)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC			
Location: FBF			
City: BKlyn	State: NY	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: 1-31-13	Start Time: 2031	End Time: 2100

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

Observer's Name (Print): D. Phelan	
Observer's Signature: David Ehrl	Date: 1-31-13
Organization: NYCDEP	
Certified by	Date

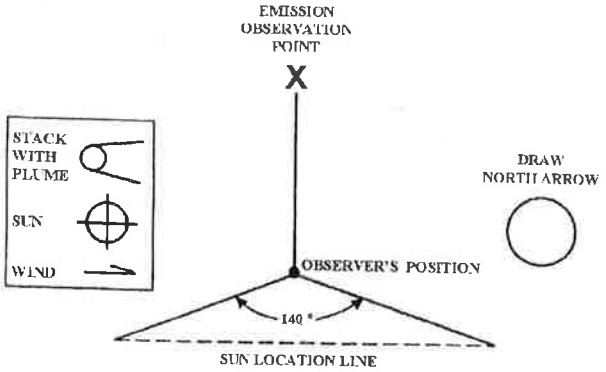
Continue on reverse side

(7)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: FBF		
City: Bklyn	State: NY	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
1-31-13	2101	2130

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

Observer's Name (Print): D. Phelan

Observer's Signature: [signature] Date: 1-31-13

Organization:

Certified by: Date:

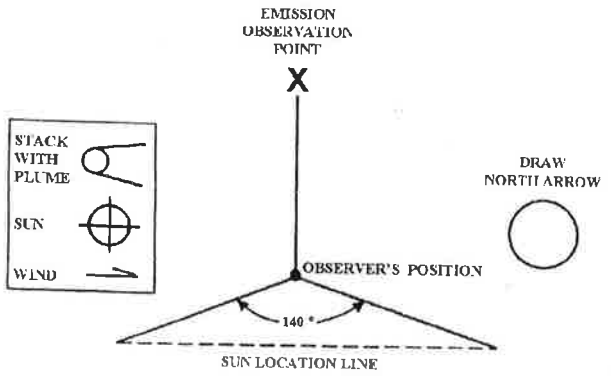
Continue on reverse side

(8)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECG		
Location: EBF		
City: Bklyn	State: NY	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
1-31-13	2131	2200

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

Observer's Name (Print): D. Phelan	
Observer's Signature: Daniel Phelan	Date: 1-31-13
Organization: NYCDEP	
Certified by	Date

Continue on reverse side

(9)

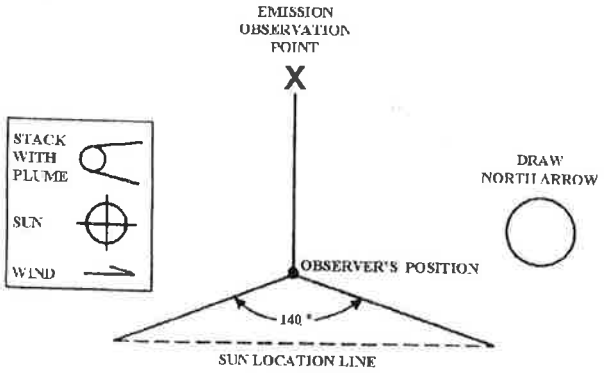
VISIBLE EMISSION OBSERVATION FORM

Company Name ECC		
Location FBF		
City Bklyn	**State** NY	**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 1-31-13 | **Start Time** 2201 | **End Time** 2230

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

SOURCE LAYOUT SKETCH



Additional Information

Observer's Name (Print) D Phelan

Observer's Signature Daniel Phelan **Date** 1-31-13

Organization

Certified by **Date**

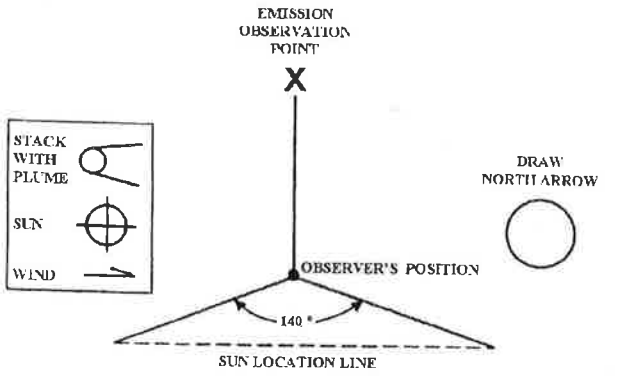
Continue on reverse side

(10)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
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: 1-31-13 | Start Time: 2231 | End Time: 2300

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

Observer's Name (Print): D. Phelan	
Observer's Signature: Daniel Ehr	Date: 1-31-13
Organization: NYCDEP	
Certified by	Date

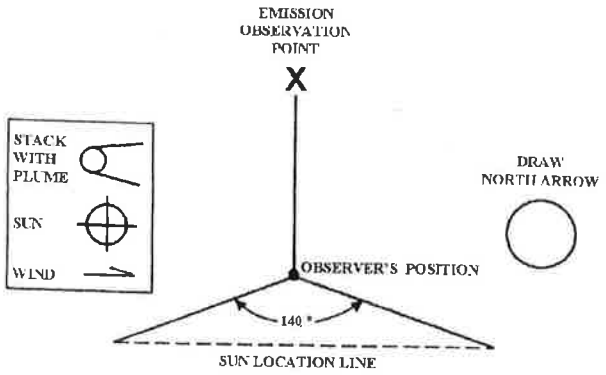
Continue on reverse side

(11)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: FBF		
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
1-31-13	2301	2330

Min \ Sec	0	15	30	45	Comments
1	5	10	5	10	
2	5	10	5	5	
3	5	5	5	5	
4	5	10	5	10	
5	5	5	5	5	
6					← (Break + Gas)
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): D. Phelan	
Observer's Signature: Daniel Elmer	Date: 1-31-13
Organization: NMOCD	
Certified by	Date

Additional Information

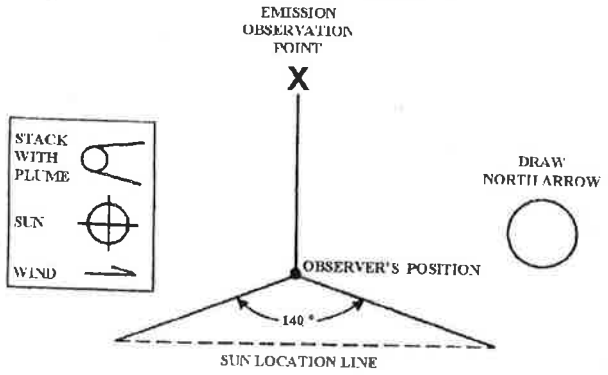
Continue on reverse side

(12)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: EBT		
City: BKlyn	State: NY	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: 1-31-13	Start Time: 2331	End Time: 2400

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

Observer's Name (Print): D Phelan	
Observer's Signature: Daniel E Phelan	Date: 1-31-13
Organization: NYCDEP	
Certified by	Date

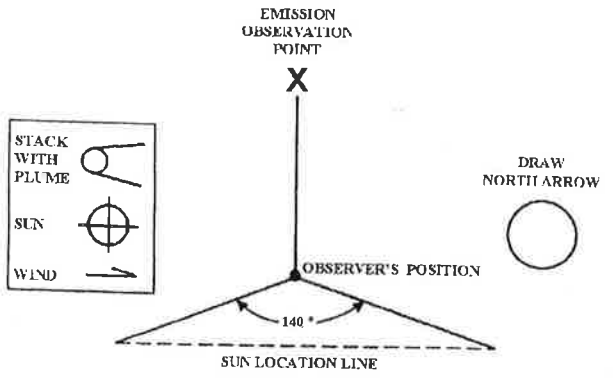
Continue on reverse side

(13)

VISIBLE EMISSION OBSERVATION FORM

Company Name ECC		
Location Floyd Bennett Field		
City Bklyn	State NY	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
2-1-13	0001	0030

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

Observer's Name (Print) Daniel E. Phelan	
Observer's Signature Daniel E. Phelan	Date 2-1-13
Organization NYCDEP	
Certified by	Date

Continue on reverse side

(14)

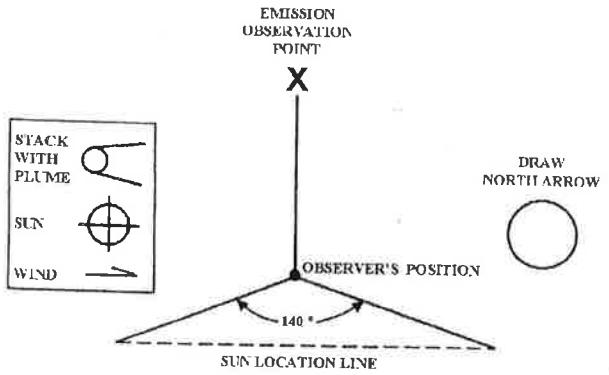
VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: Bklyn Floyd Bennett Field		
City: Bklyn	State: NY	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
2-1-13	0031	0100

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

SOURCE LAYOUT SKETCH



Observer's Name (Print): Daniel E Phelan	
Observer's Signature: Daniel E Phelan	Date: 2-1-13
Organization: NYCDEP	
Certified by	Date

Additional Information

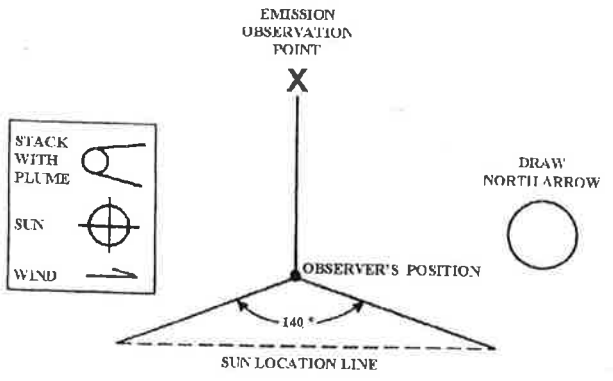
Continue on reverse side

(15)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: GBF		
City: Bklyn	State: NY	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
2-1-13	0101	0130

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

Observer's Name (Print): Daniel E Phelan	
Observer's Signature: Daniel E Phelan	Date: 2-1-13
Organization: NYCDEP	
Certified by	Date

Continue on reverse side

(16)

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: FBF		
City: Bklyn	State: NY	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

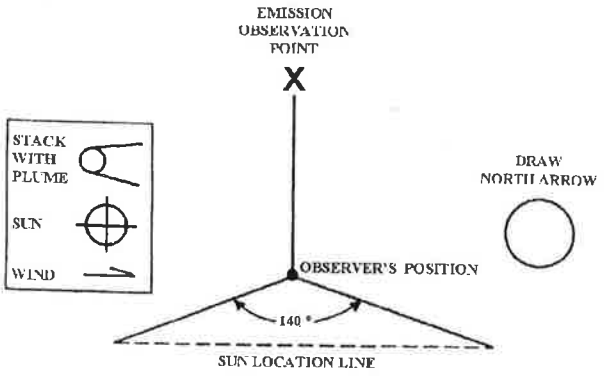
Start / End

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
2-1-13	0131	0200

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	
2	5	5	5	5	
3	5	5	5	5	
4	10	5	5	5	
5	5	5	10	10	
6	10	10	5	5	
7	5	5	5	5	
8	10	10	5	5	
9	5	5	5	5	
10	10	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	10	10	5	
14	5	10	10	5	
15	5	5	10	10	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	10	10	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	10	5	10	
24	10	5	5	5	
25	5	10	10	10	
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): Daniel E Phelan	
Observer's Signature: Daniel Elvin	Date: 2-1-13
Organization: NYCDEP	
Certified by	Date

Continue on reverse side

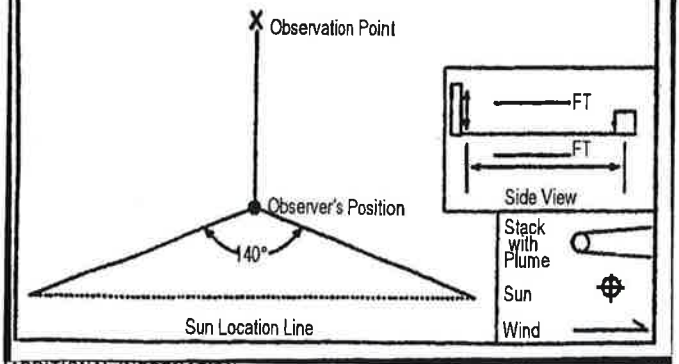
EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: ECC		
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

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
1/31/13	200	430

SEC / MIN	0	15	30	45	COMMENTS
1	6	0	0	0	
2		↑			stopped operation
3					do to the high wind
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	0	0	0	0	

OBSERVER'S NAME (PRINT): H. Hayat	
OBSERVER'S SIGNATURE	DATE: 1/31/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

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

2

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

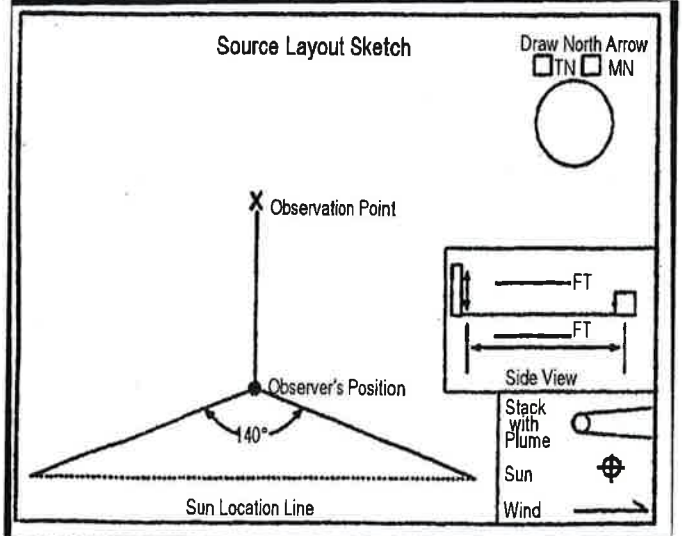
DESCRIBE EMISSIONS
START END

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

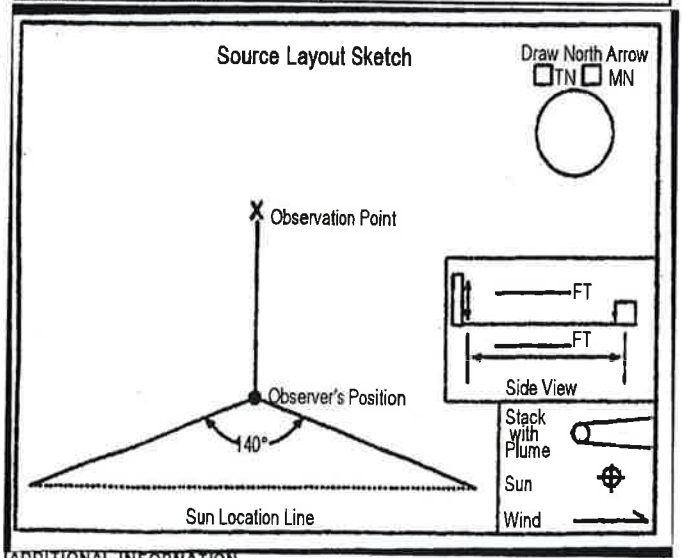
OBSERVATION DATE	START TIME	END TIME
1/31/13	4:30	5:00

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	10	10	
2	10	15	10	5	slowly
3	5	10	10	10	loading
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. Hyari	
OBSERVER'S SIGNATURE	DATE: 1/31/13
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	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	



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
1/31/13	500	530

SEC / MIN	0	15	30	45	COMMENTS
1	20	20	25	20	loading
2	20	30	30	35	
3	20	20	25	20	
4	25	20	20	25	
5	25	25	20	20	
6	15	20	15	15	not loading
7	10	15	15	15	
8	15	10	10	10	
9	10	5	5	5	
10	10	5	5	5	
11	5	10	10	5	
12	15	10	10	5	
13	5	10	10	10	
14	5	5	5	5	
15	5	10	5	10	
16	10	15	15	15	loading
17	20	20	15	20	
18	20	25	25	25	
19	25	30	25	25	
20	20	20	25	20	
21	20	20	25	25	
22	20	15	15	20	
23	15	15	10	15	not loading
24	15	10	10	10	
25	10	15	10	10	
26	10	15	15	10	
27	10	10	10	10	
28	10	15	10	10	
29	10	15	10	10	
30	10	10	10	10	

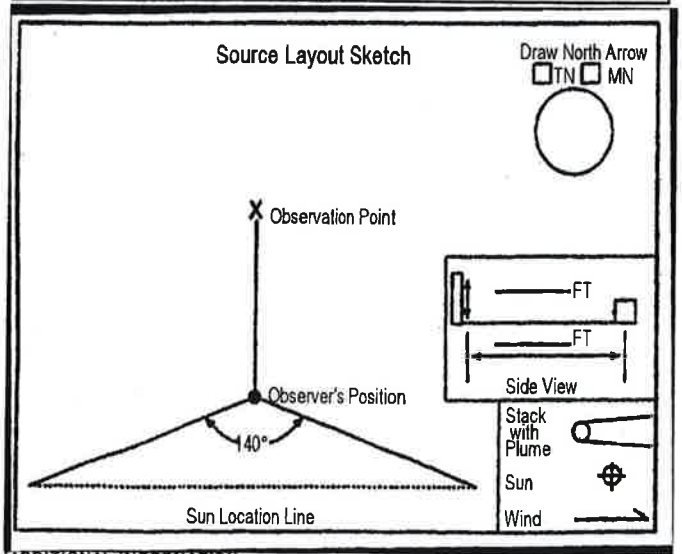
OBSERVER'S NAME (PRINT)	H. Hayari
OBSERVER'S SIGNATURE	
DATE	1/31/13
ORGANIZATION	NYC DEP
CERTIFIED BY	
DATE	

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

4

COMPANY NAME: E.C.C		
LOCATION: 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
1/31/13	530	600

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

OBSERVER'S NAME (PRINT): V. Hayari	
OBSERVER'S SIGNATURE	DATE: 1/30/13
ORGANIZATION: NYC DEP	
CERTIFIED BY	DATE

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC			
Location: floyd Bennett field			
City: BK	State: NY	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

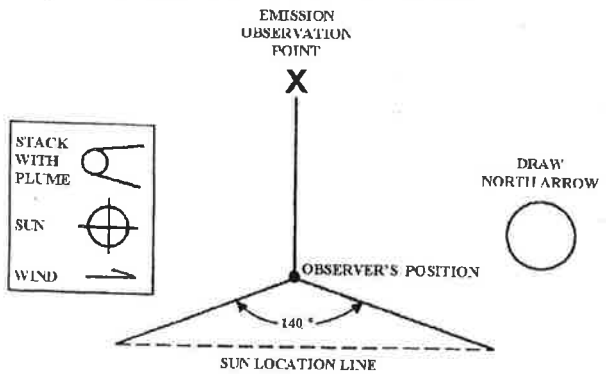
Start / End

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
1-31-13	0830	0900

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	with wind
2	10	10	10	10	
3	10	10	10	10	
4	10	10	10	10	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	15	15	15	15	
9	15	15	15	15	
10	15	15	15	15	
11	15	15	15	15	
12	15	15	15	15	
13	20	20	20	20	
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	20	20	20	
20	20	20	20	20	
21	20	20	20	20	
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	10	10	10	10	
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	with wind

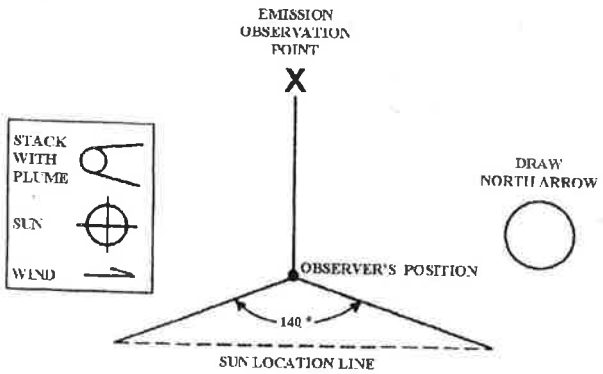
Observer's Name (Print): Alcerio Gabriel	
Observer's Signature	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
City: BK	State: NY	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: 1-31-13	Start Time: 0900	End Time: 0930

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	with wind
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	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	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	15	15	10	10	
24	15	15	15	15	
25	15	15	15	15	
26	15	15	15	15	
27	15	15	15	15	
28	15	15	15	15	
29	15	15	15	15	
30	15	15	15	15	with wind

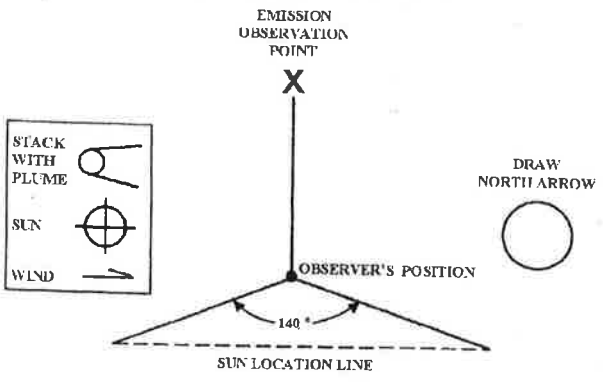
Observer's Name (Print): Alfred Ghobryal	
Observer's Signature:	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
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
1-30-13	0930	1000

Sec / Min	0	15	30	45	Comments
1	15	15	15	15	with wind
2	15	15	15	15	
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	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	0	0	0	0	
15	0	0	0	0	
16	0	0	0	0	
17	0	0	0	0	
18	0	0	0	0	
19	0	0	0	0	
20	0	0	0	0	
21	0	0	0	0	
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	with wind

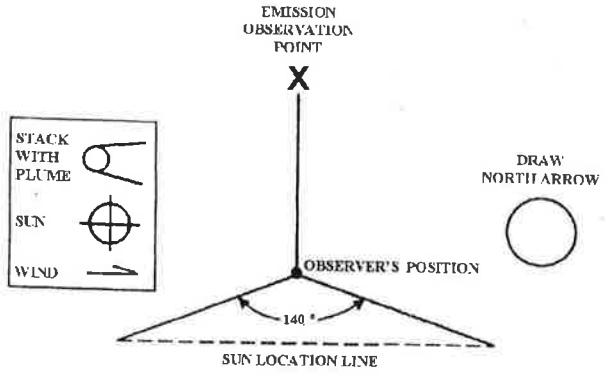
Observer's Name (Print): Alferid Ghobryal	
Observer's Signature	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
City: BK	State: NY	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: 1-31-13 | Start Time: 1000 | End Time: 1030

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	with wind
2	10	10	10	10	
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	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
11	0	0	0	0	
12	0	0	0	0	
13	30	30	30	30	
14	30	30	30	30	
15	30	30	30	30	
16	30	30	30	30	
17	25	25	25	25	
18	25	25	25	25	
19	25	25	25	25	
20	35	35	35	35	
21	35	35	35	35	
22	35	35	35	35	
23	35	35	35	35	
24	35	35	35	35	
25	20	20	20	20	
26	20	20	20	20	
27	20	20	20	20	
28	20	20	20	20	
29	20	20	20	20	
30	20	20	20	20	with wind

Observer's Name (Print): Alfred Ghobrial

Observer's Signature: [signature] | Date: 1-31-13

Organization: NYC DEP

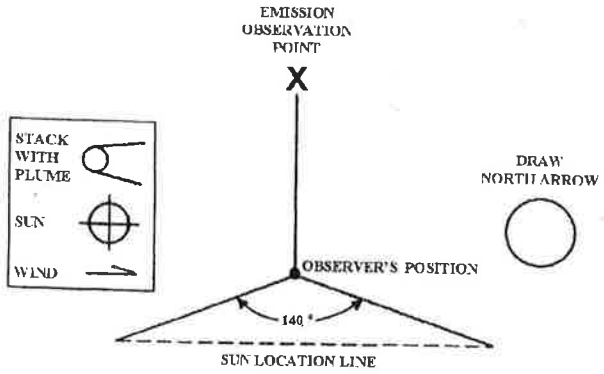
Certified by | Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
City: BK	State: NY	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: 1-31-13 | Start Time: 1030 | End Time: 1100

Min \ Sec	0	15	30	45	Comments
1	20	20	20	20	with wind
2	20	20	20	20	
3	15	15	15	15	
4	15	15	15	15	
5	15	15	15	15	
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	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	0	0	0	0	
19	0	0	0	0	
20	0	0	0	0	
21	0	0	0	0	
22	0	0	0	0	
23	0	0	0	0	
24	0	0	0	0	
25	0	0	0	0	
26	0	0	0	0	
27	5	5	5	5	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	With wind

Observer's Name (Print): Alfred Ghobryal	
Observer's Signature	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

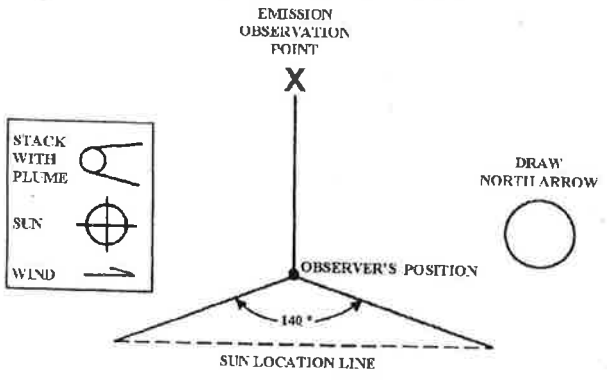
VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett Field		
City: BK	State: NY	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
1-31-13	1100	1130

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	with wind
2	5	5	5	5	
3	0	0	0	0	
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
7	0	0	0	0	
8	0	0	0	0	
9	0	0	0	0	
10	0	0	0	0	
11	0	0	0	0	
12	0	0	0	0	
13	0	0	0	0	
14	0	0	0	0	
15	0	0	0	0	
16	0	0	0	0	
17	0	0	0	0	
18	15	15	15	15	
19	15	15	15	15	
20	15	15	15	15	
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	
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	with wind

SOURCE LAYOUT SKETCH



Observer's Name (Print): Alferid Ghabryal	
Observer's Signature	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

Additional Information

Continue on reverse side

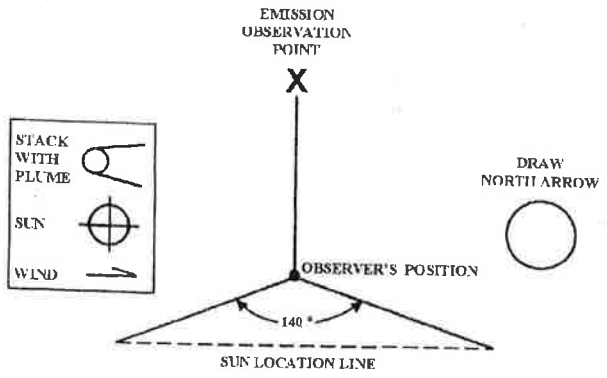
VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
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
1-31-13	1130	1200

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

SOURCE LAYOUT SKETCH



Observer's Name (Print): Alferd Ghobryal	
Observer's Signature	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

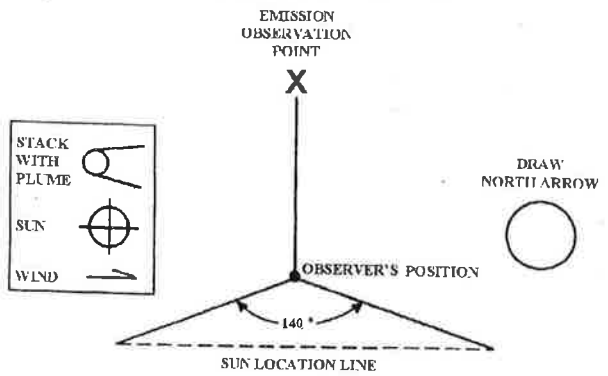
Additional Information

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: Floyd Bennett field		
City: BK	State: NY	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
1-31-13	1200	1230

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

Observer's Name (Print): Alfred Ghobryal	
Observer's Signature	Date: 1-31-13
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

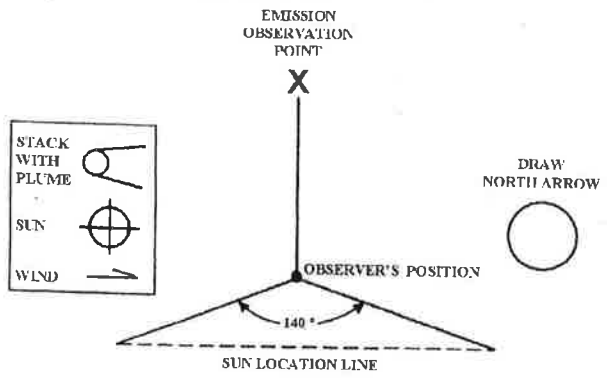
VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
City: BK	State: NY	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
1-31-13	1230	1300

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

SOURCE LAYOUT SKETCH



Observer's Name (Print): Alfred Ghobrial		
Observer's Signature	Date	
Organization: NYC DEP		
Certified by	Date	

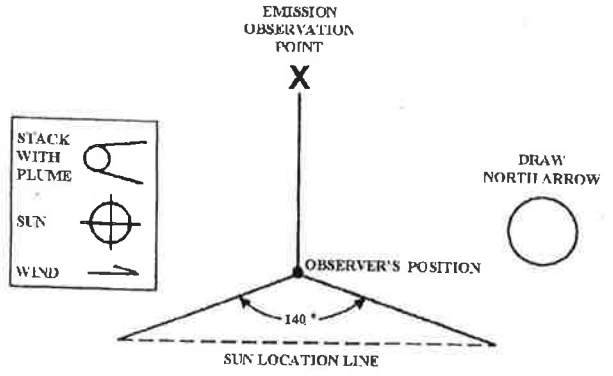
Additional Information

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC			
Location: Floyd Bennett Field			
City: BK	State: NY	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: 1-31-13 | Start Time: 1300 | End Time: 1330

Sec / Min	0	15	30	45	Comments
1	30	30	30	30	with wind
2	30	30	30	30	
3	30	30	30	30	
4	30	30	30	30	
5	30	30	30	30	
6	35	35	35	35	
7	35	35	35	35	
8	35	35	35	35	
9	35	35	35	35	
10	35	35	35	35	
11	35	35	35	35	
12	35	35	35	35	
13	35	35	35	35	
14	30	30	30	30	
15	30	30	30	30	
16	30	30	30	30	
17	30	30	30	30	
18	30	30	30	30	
19	30	30	30	30	
20	25	25	25	25	
21	25	25	25	25	
22	25	25	25	25	
23	25	25	25	25	
24	25	25	25	25	
25	25	25	25	25	
26	25	25	25	25	
27	25	25	25	25	
28	20	20	20	20	
29	20	20	20	20	↓
30	20	20	20	20	with wind

Observer's Name (Print): Alfred Ghobryal	
Observer's Signature:	Date: N.
Organization: NYC DEP	
Certified by:	Date:

Additional Information:

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC			
Location: floyd Bennett field			
City: BK	State: Ny	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)

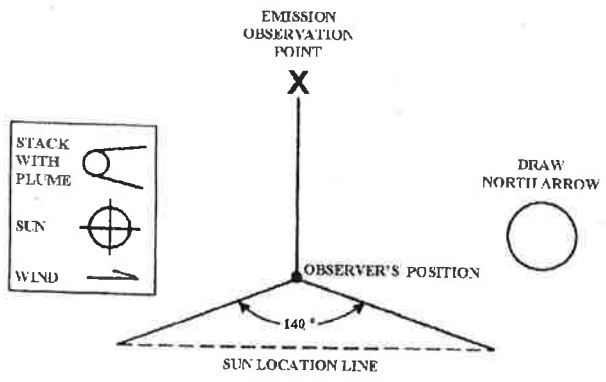
Emission Color (Start / End)	If Water Droplet Plume (Circle): Attached Detached N/A

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
1-31-13	1330	1400

Sec / Min	0	15	30	45	Comments
1	20	20	20	20	with wind
2	15	15	15	15	
3	15	15	15	15	
4	15	15	15	15	
5	15	15	15	15	
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	20	20	20	20	
13	20	20	20	20	
14	20	20	20	20	
15	15	15	15	15	
16	15	15	15	15	
17	15	15	15	15	
18	15	15	15	15	
19	15	15	15	15	
20	15	15	15	15	
21	15	15	15	15	
22	15	15	15	15	
23	10	10	10	10	
24	10	10	10	10	
25	10	10	10	10	
26	10	10	10	10	
27	5	5	5	5	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	with wind

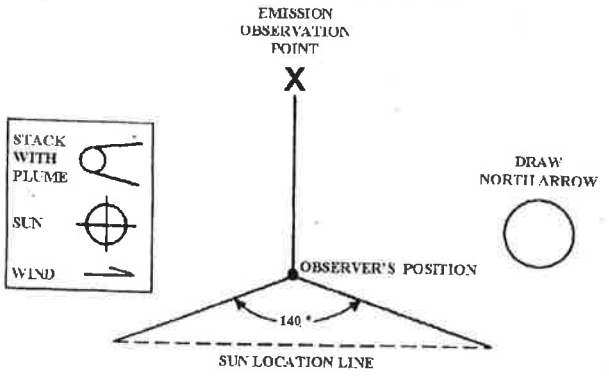
Observer's Name (Print): Alfred Ghobryal	
Observer's Signature:	Date
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
City: Blc	State: NY	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
1-31-13	1400	1430

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	
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	15	15	15	15	
10	15	15	15	15	
11	15	15	15	15	
12	15	15	15	15	
13	15	15	15	15	
14	25	25	25	25	
15	25	25	25	25	
16	25	25	25	25	
17	25	25	25	25	
18	25	25	25	25	
19	30	30	30	30	
20	30	30	30	30	
21	30	30	30	30	
22	30	30	30	30	
23	30	30	30	30	
24	30	30	30	30	
25	35	35	35	35	
26	35	35	35	35	
27	35	35	35	35	
28	35	35	35	35	
29	35	35	35	35	
30	35	35	35	35	

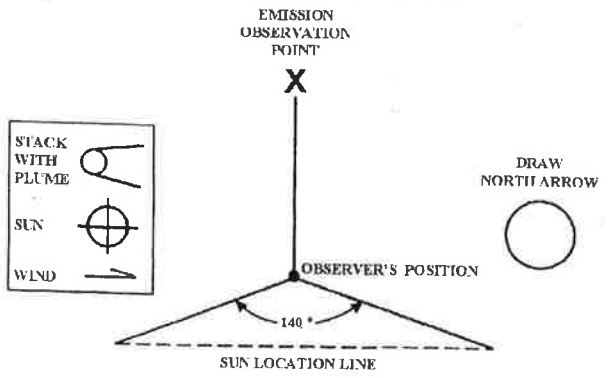
Observer's Name (Print): Alfevid Ghobrial	
Observer's Signature: alfevid	Date
Organization: NYC DEP	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name: ECC		
Location: floyd Bennett field		
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: 1-31-13 | Start Time: 1430 | End Time: 1500

Sec / Min	0	15	30	45	Comments
1	20	20	20	20	
2	20	20	20	20	
3	20	20	20	20	
4	20	20	20	20	
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	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	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	15	15	15	15	
20	15	15	15	15	
21	15	15	15	15	
22	15	15	15	15	
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): Alfevid Ghobryal

Observer's Signature: [signature] | Date:

Organization: NYC DEP

Certified by | Date:

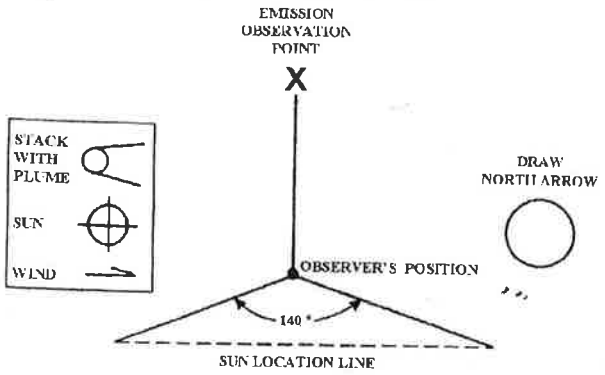
Continue on reverse side

(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
01-31-13	1500	1530

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 - 10 wood
25	5	5	5	5	#1 - 10 - 10 - 10 - 10 wood dust
26	5	5	5	5	10 - 15 - 15 - 15
27	5	5	5	5	15 - 15 - 15 - 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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-31-13
Organization	
Certified by	Date

Continue on reverse side

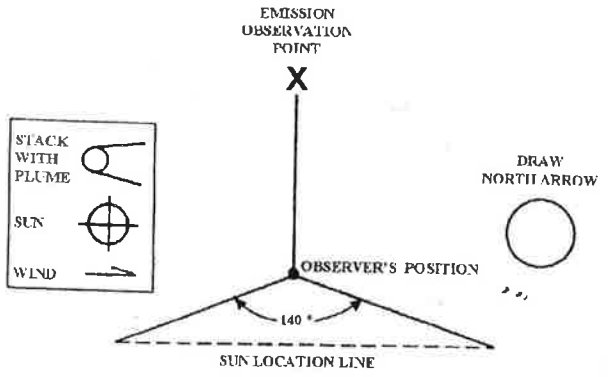
(1)

(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
01-31-13	1531	1600

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

wind ↓ wind @ 5Kt ↓

Observer's Name (Print)	
Eric Gregorwis	
Observer's Signature: Eric Gregorwis	Date: 01-31-13
Organization	
Certified by	Date

Continue on reverse side

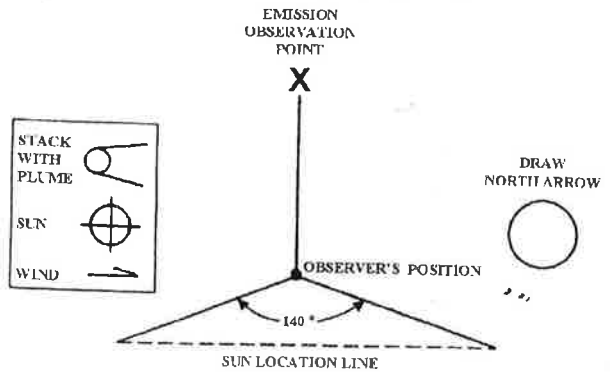
(2)

(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	Start Time	End Time
01-31-13	1601	1630

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
wind	10	10	10	10	W	#1 - 5-5-5-5
10	10	10	10	10	W	5-5-5-5
11	10	10	10	10	W	5-5-5-5
12	10	10	10	10	W	5-5-5-5
13	10	10	10	10		5-5-5-5
14	10	10	10	5		#1 - 5-5-10-10
15	5	5	5	5		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		10-10-5-5
19	5	5	5	5		#1 - 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		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	5	5	5	5		5-5-5-5
30	5	5	5	5		#1 - 5-5-5-5

wood

Observer's Name (Print)	Eric Gregorius
Observer's Signature	Eric Gregorius — Date: 01-31-13
Organization	
Certified by	Date

Continue on reverse side

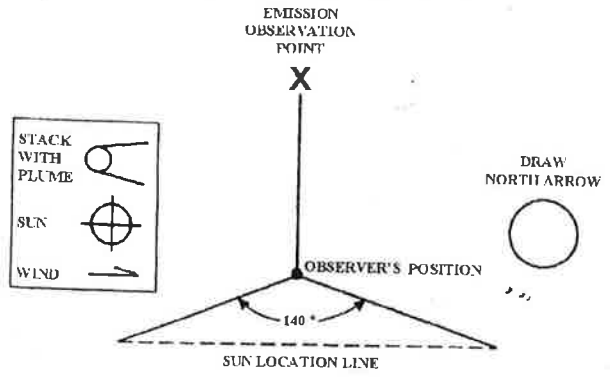
(3)

(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



Observation Date: 01-31-13 | Start Time: 1631 | End Time: 1700

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	5-5-5-10
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1 - 10-10-5-5
6	5	5	5	5	10-10-15-15
7	5	5	5	5	15-15-10-10
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	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	5-5-5-10
15	5	5	5	5	#1 - 10-10-10-10
16	—	—	—	—	Brake
17					
18					
19					
20					#1 -
21					
22					
23	—	—	—	—	
24					Brake
25 w	10	10	10	10 w	#1 - 10-10-10-10
26 w	10	10	15	15 w	10-10-10-10
27 w	15	15	15	15	10-10-10-10
28	15	15	15	15	10-10-10-10
29	15	15	10	10	10-10-10-5
30	10	10	10	10	#1 - 5-5-5-5

stir

wood

stir

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-31-13
Organization	
Certified by	Date
Continue on reverse side	

Additional Information

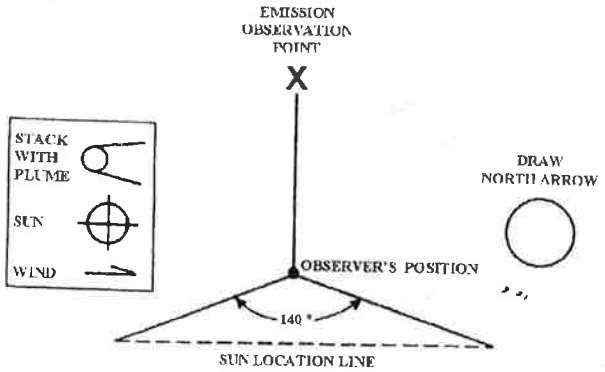
(4)

(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	

Observation Date	Start Time	End Time
01-31-13	1701	1730

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	5-10-10-10 Stir
5	10	10	10	10	#1 - 10-10-10-10
6	10	10	10	10	10-5-5-5
7	10	10	10	10	5-5-5-5
8	10	10	10	10	5-5-5-5
9	10	10	10	10	#1 - 5-5-5-5
10	10	10	10	10	5-5-5-5
11	10	10	10	10	5-10-5-5 Stir
12	10	10	10	10	5-5-5-5
13 W	10	10	10	10	5-5-5-5
14 W	10	10	10	10	#1 - 5-5-5-5
15	10	10	10	10	5-5-5-5
16	10	10	10	10	5-5-5-5
17	10	10	10	10	5-5-5-5
18	10	10	10	10	5-5-5-5
19	10	10	10	10	#1 - 10-10-10-10
20	10	10	10	10	10-10-5-5
21	10	10	10	10	5-5-5-5
22	10	10	10	10	5-5-5-5
23 S	10	10	10	10	5-5-5-5
24 S	10	10	10	10	#1 - 5-5-5-5
5 25 W	10	10	10	10	5-5-5-5
26 W	10	10	10	10	5-5-5-5
27 W	10	10	10	10	5-5-5-5
W 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: 01-31-13
Organization	
Certified by	Date
Continue on reverse side	

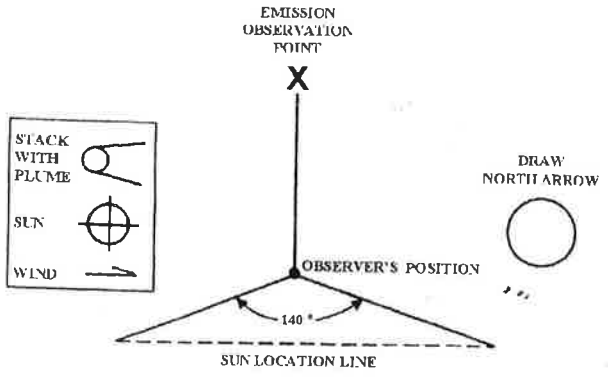
(5)

(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



Observation Date	Start Time	End Time
01-31-13	1731	1745

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	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	10	5-5-5-5
5-W 8	10	10	10	10	5-5-5-5
9	5	5	5	5	5-5-5-5
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
16					
17					
18					
19					
20					#1-
21					
22					
23					
24					
25					#1-
26					
27					
28					
29					
30					#1-

Wood & stir

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-31-13
Organization	
Certified by	Date

Additional Information

Continue on reverse side