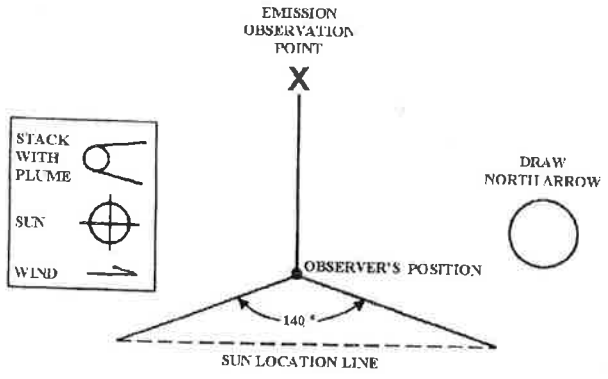
VISIBLE EMISSION OBSERVATION FORM

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
01-14-13	0700	0730

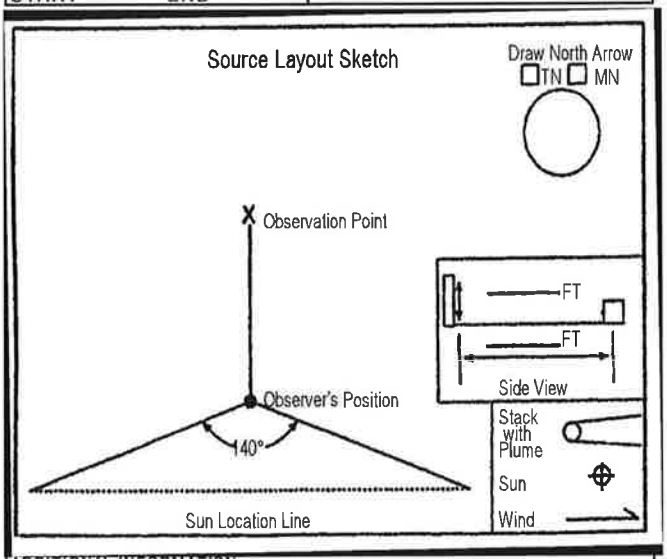
Min \ Sec	0	15	30	45		Comments
1	5	5	5	5		#1 10-10-10-10 Starting fire
2	5	5	5	5		10 10 10 10
3	5	5	5	5		10-10-10-10
4	5	5	5	5		10 10 10 10
5	5	5	5	5		10 10 10 10
6	5	5	5	5		10 10 10 10 wood
7	5	5	5	5		10 10 10 10 stir
8	5	5	5	5		10 10 10 10
9	5	5	5	5		5 5 5 5
10	5	5	5	5		5 5 5 5
11	5	5	5	5		#1 10 10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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
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



ADDITIONAL INFORMATION		

OBSERVATION DATE	START TIME	END TIME
	1930	2000

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

OBSERVER'S NAME (PRINT)	
OBSERVER'S SIGNATURE	DATE
ORGANIZATION	
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

X Observation Point

Observer's Position

140°

Sun Location Line

FT

FT

Side View

Stack with Plume

Sun

Wind

ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
	1900	1930

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

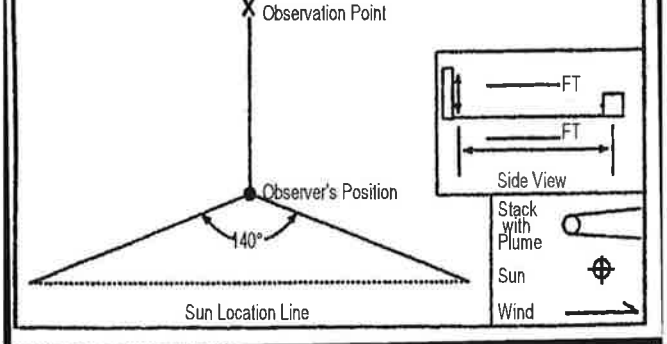
OBSERVER'S NAME (PRINT)	
OBSERVER'S SIGNATURE	DATE
ORGANIZATION	
CERTIFIED BY	DATE

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

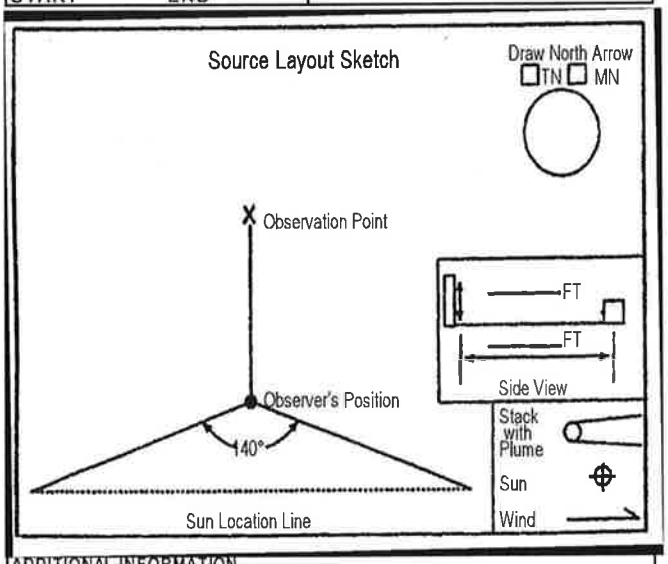
OBSERVATION DATE	START TIME	END TIME
1/14/13	1830	1900

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

OBSERVER'S NAME (PRINT)	
OBSERVER'S SIGNATURE	DATE
ORGANIZATION	
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



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
1/14/13	1800	1830

SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	
2					
3					
4					
5					LOADING
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					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
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	

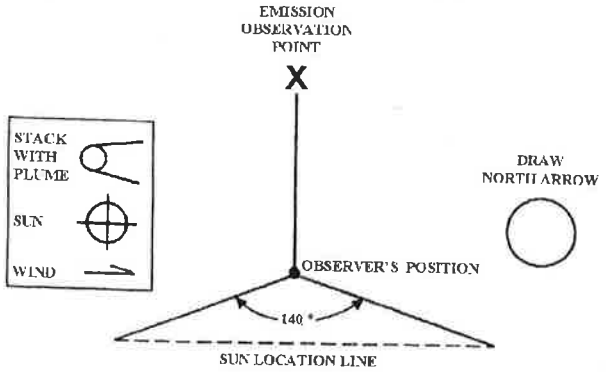
OBSERVER'S NAME (PRINT)	
OBSERVER'S SIGNATURE	DATE
ORGANIZATION	
CERTIFIED BY	DATE

(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: 01·14·13 | Start Time: 0731 | End Time: 0800

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

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius | Date: 01·14·13

Organization

Certified by | Date

Continue on reverse side

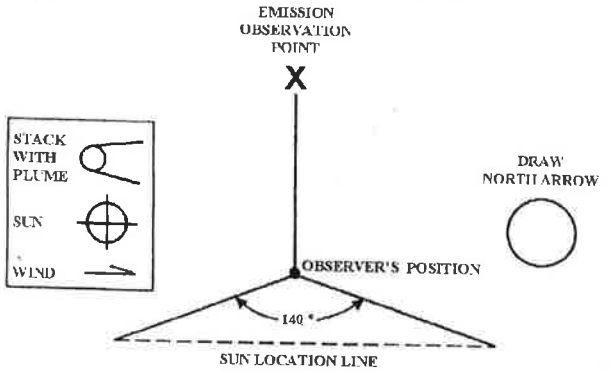
(2)

3

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information	

Observation Date: 01-14-13 | Start Time: 0801 | End Time: 0830

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

Continue on reverse side

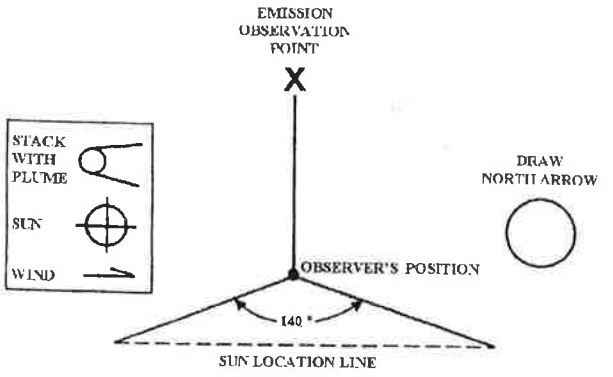
3

(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	Start Time	End Time
01-14-13	0831	0900

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

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-14-13
Organization	
Certified by	Date

Continue on reverse side

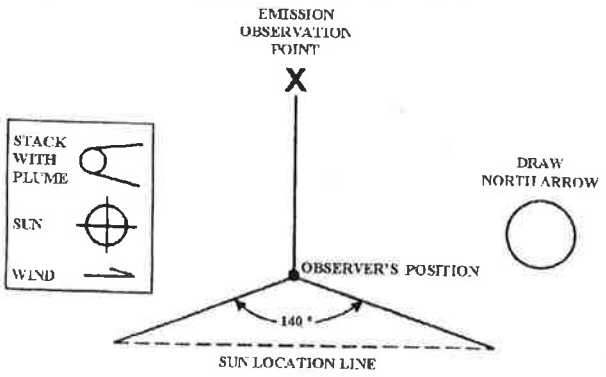
(4)

5

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	0901	0932

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

Continue on reverse side

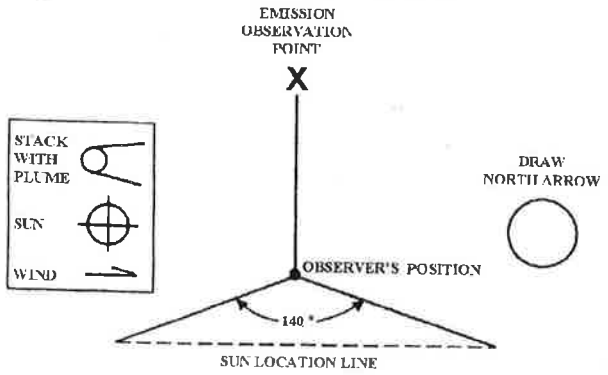
5

(6)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	0931	1000

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

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-14-13
Organization	
Certified by	Date

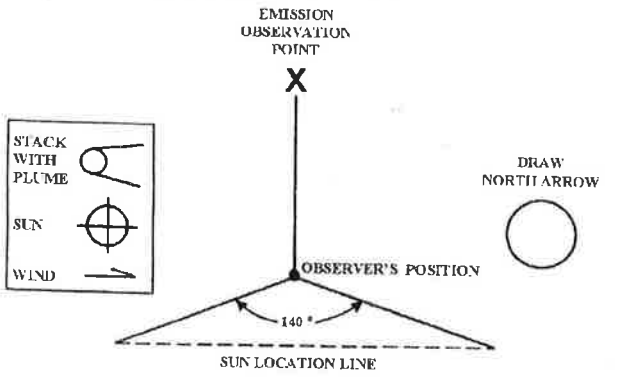
Continue on reverse side

(6)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	1001	1030

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

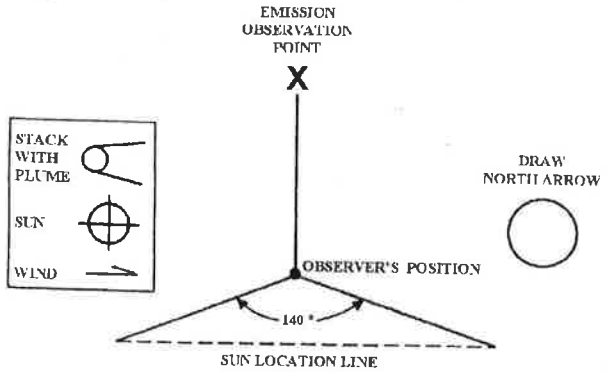
Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-14-13
Organization	
Certified by	Date

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: 01·14·13 | Start Time: 1031 | End Time: 1100

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

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius — Date: 01-14-13

Organization:

Certified by — Date:

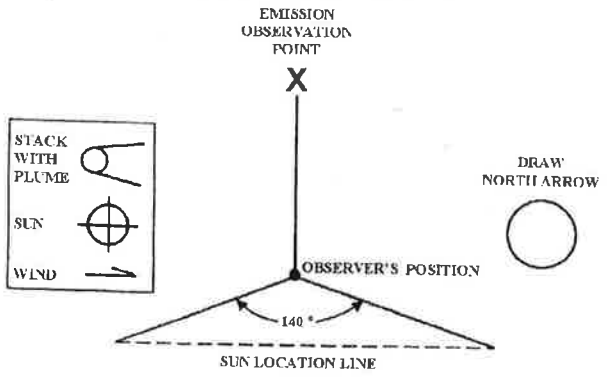
Continue on reverse side

(9)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	1101	1130

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

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-14-13
Organization	
Certified by	Date

Continue on reverse side

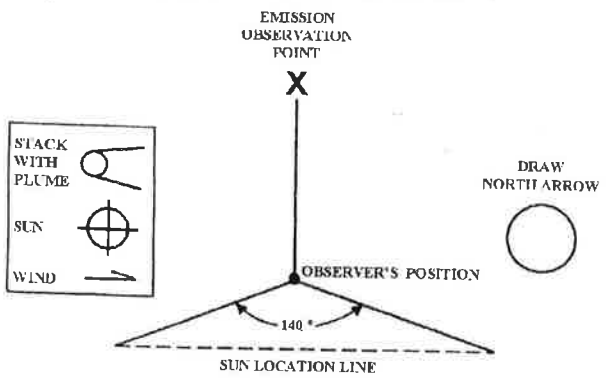
(9)

(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
01-14-13	1130	1200

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

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

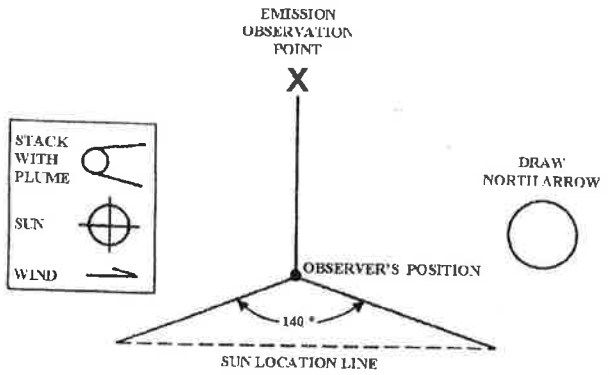
Continue on reverse side

(10)

VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	State	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: 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
01·14·13	1201	1230

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

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius — Date: 01·14·13

Organization

Certified by — Date

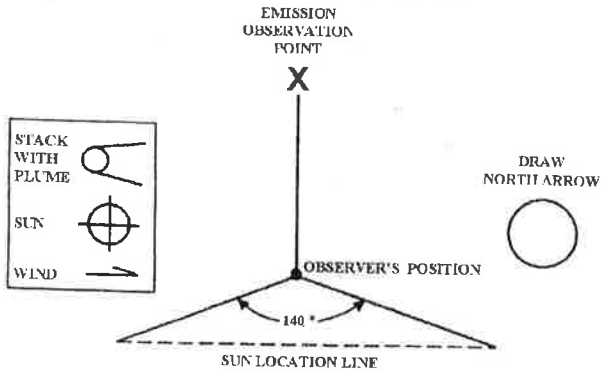
Continue on reverse side

(12)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	1231	1300

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

Continue on reverse side

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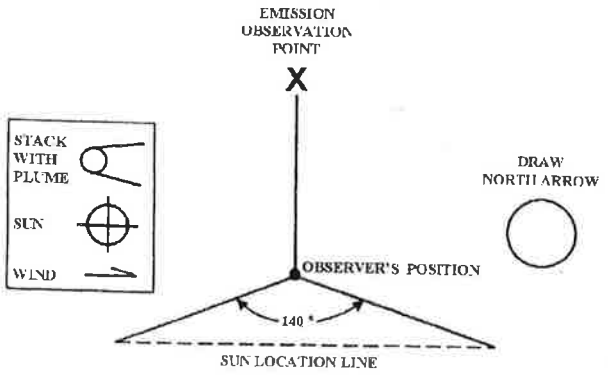
[redacted]

13

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
01.14.13	1301	1330

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

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01.14.13
Organization	
Certified by	Date

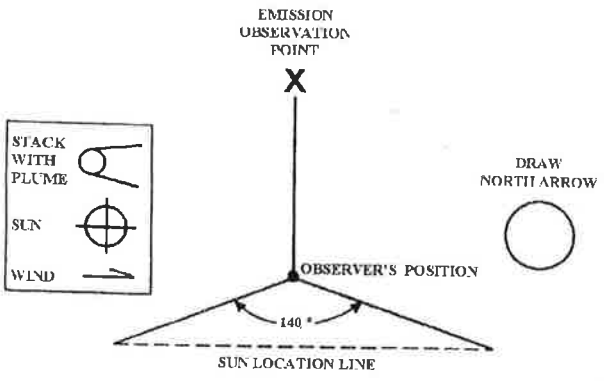
Continue on reverse side

13

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
01-14-13	1331	1400

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

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

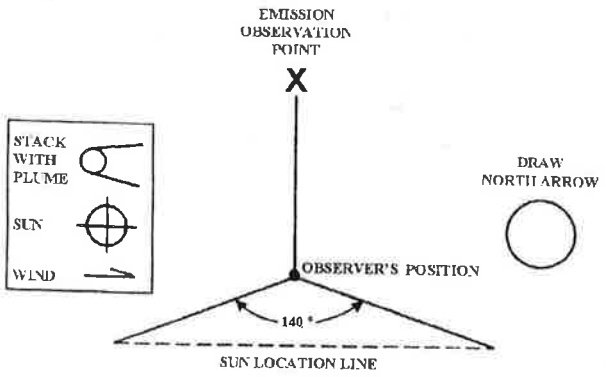
Continue on reverse side

(1.5)

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
01·14·13	1500	1530

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

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01·14·13
Organization	
Certified by	Date

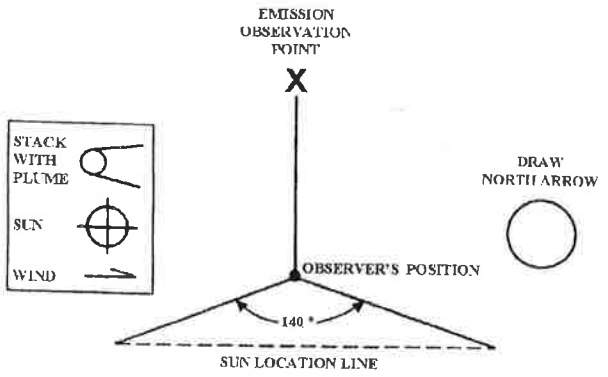
Continue on reverse side

(15)

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
01-14-13	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	0	0	0	0	5-5-5-5
12	0	0	0	0	5-5-5-5
13	0	0	0	0	5-5-5-5
14	0	0	0	0	5-5-5-5
15	0	0	0	0	#1 5-5-5-5
16	0	0	0	0	5-5-5-5
17	0	0	0	0	5-5-5-5
18	0	0	0	0	5-5-5-5
19	0	0	0	0	5-5-5-5
20	0	0	0	0	#1 5-5-5-5
21	0	0	0	0	10-10-10-10
22	0	0	0	0	10-10-5-5
23	0	0	0	0	5-5-5-5
24	0	0	0	0	5-5-0-0
25	0	0	0	0	#1 0-0-0-0
26	0	0	0	0	0-0-0-0
27	0	0	0	0	0-0-0-0
28	0	0	0	0	0-0-0-0
29	10	10	10	10	0-0-0-0
30	10	10	5	5	#1 0-0-0-0

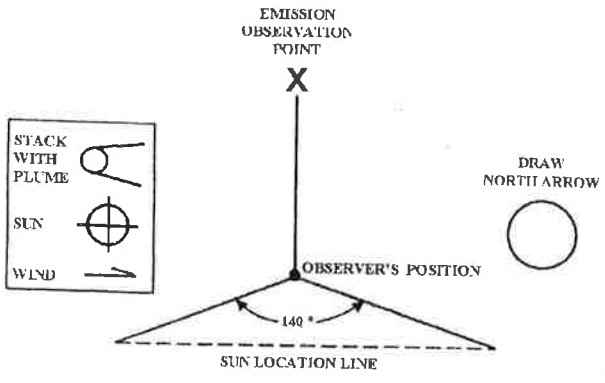
Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-14-13
Organization	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	1681	1630

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

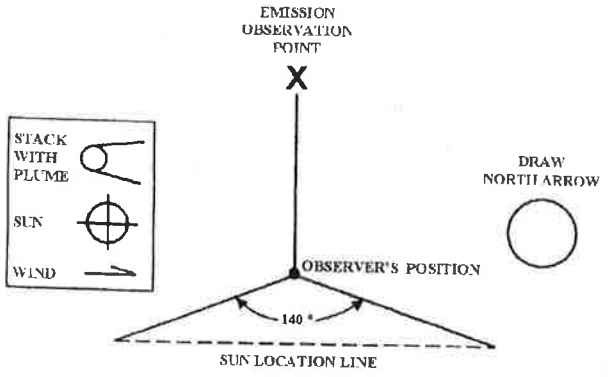
Continue on reverse side

(18)

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
01-14-13	1631	1700

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

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 01-14-13
Organization	
Certified by	Date

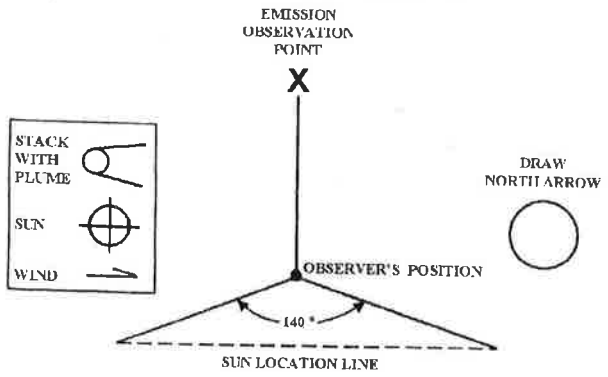
Continue on reverse side

(18)

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
01-14-13	1701	1730

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 0-0-0-0
2	5	5	5	5	0-0-0-0
3	5	5	5	5	0-0-0-0
4	5	5	5	5	0-0-10-10
5	5	5	5	5	#1 10-10-5-5
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	Ash Removed
13	—	—	—	—	" "
14	—	—	—	—	" "
15	—	—	—	—	#1
16	—	—	—	—	
17	—	—	—	—	
18	—	—	—	—	
19	—	—	—	—	
20	0	0	0	0	#1 10-10-10-10
21	5	5	5	5	10-10-10-10
22	5	5	10	10	10-10-10-10
23	5	10	10	10	10-10-10-10
24	10	10	10	5	10-15-15-10
25	10	5	10	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	10	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

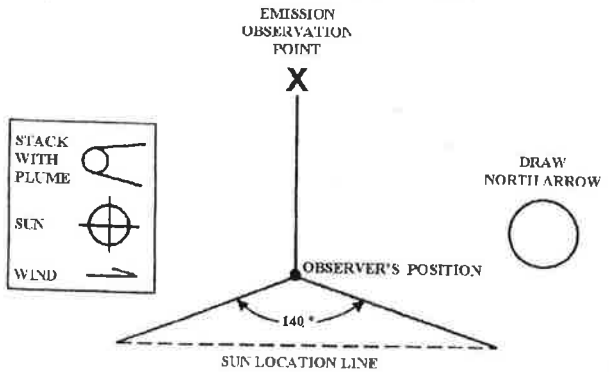
Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01.14.13
Organization	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-14-13	1731	1800

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-14-13
Organization	
Certified by	Date

Continue on reverse side