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

COMPANY NAME

LOCATION

LOCATION

CITY | STATE | ZIP

PROCESS EQUIPMENT | OPERATING MODE

CONTROL EQUIPMENT | OPERATING MODE

DESCRIBE EMISSION POINT

HEIGHT OF EMISSION POINT | HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER (START / END)

DISTANCE TO EMISSION POINT (START / END) | DIRECTION TO EMISSION PT. (DEGREES (0-360)) (START / END)

VERTICAL ANGLE TO OBSERVATION POINT (START / END) | DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) (START / END)

DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT (START / END)

DESCRIBE EMISSIONS (START / END)

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

DESCRIBE PLUME BACKGROUND (START / END)

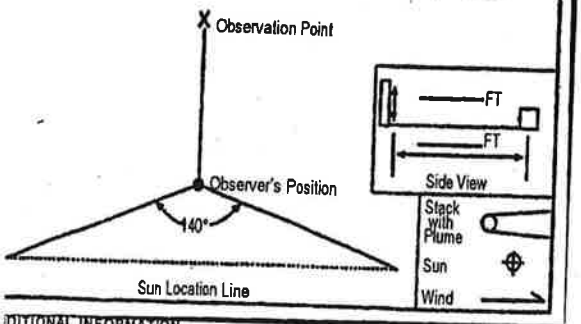
BACKGROUND COLOR (START / END) | SKY CONDITIONS (START / END)

WIND SPEED (START / END) | WIND DIRECTION (START / END)

AMBIENT TEMP (START / END) | WET BULB TEMP | RH percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0200 | END TIME: 0230

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

OBSERVER'S NAME (PRINT): JOE ACOSTA

OBSERVER'S SIGNATURE: [signature] | DATE: 2/8/13

ORGANIZATION: DEP

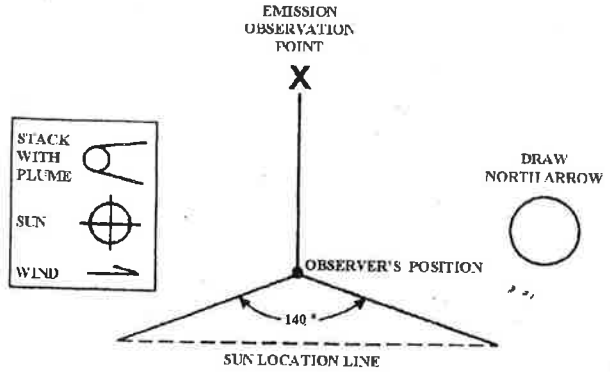
CERTIFIED BY | DATE

(12)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	1231	1300

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-5
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	10-10-10-10
10	5	5	5	5	#1-10-10-10-10
11	5	5	5	5	10-10-10-10
12	5	5	5	5	10-10-10-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-10-10
15	5	5	5	5	#1-10-10-10-10
16	5	5	5	5	10-10-15-15
17	5	5	5	5	15-15-15-15
18	5	5	5	5	15-15-15-15
19	5	5	5	5	20-30-30-30
20	5	5	5	5	#1-30-30-30-30
21	5	5	5	5	30-30-30-30
22	5	5	5	5	30-30-30-30
23	5	5	5	5	30-30-30-30
24	Unable To Read.				30-30-30-30
25	Smoke from #1				#1-30-30-30-30
26	Covering #2				30-30-30-30
27	20	20	20	20	20-20-20-20
28	20	20	20	20	20-20-20-20
29	20	20	20	20	20-20-20-20
30	15	15	15	15	#1-15-15-15

start

wood

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date

Continue on reverse side

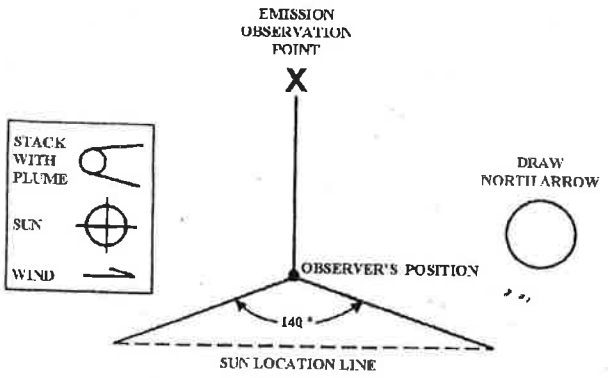
(12)

(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
02-08-13	1400	1430

Min \ Sec	0	15	30	45	Comments
1	15	15	15	15	#1-15-15-15-15
2	15	15	15	05	15-15-15-15
3	15	15	15	15	15-15-15-15
4	15	15	15	15	15-15-15-15
5	15	15	15	15	#1-15-15-15-15
6	15	15	15	15	15-15-15-15
7	15	15	15	15	15-15-15-15
8	15	15	10	10	15-15-15-10
9	10	10	10	10	10-10-10-10
10	10	10	10	10	#1-10-10-10-10
11	10	10	10	5	10-10-10-10
12	5	5	5	5	10-10-10-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-10-10
15	5	5	5	5	#1-10-10-10-10
16	5	5	5	5	10-10-10-10
17	5	5	5	5	10-10-10-10
18	5	5	5	5	10-10-10-10
19	5	5	5	5	10-10-10-10
20	5	5	5	5	#1-10-10-10-10
21	5	5	5	5	10-10-10-10
22	5	5	5	5	10-10-10-10
23	5	5	5	5	10-10-10-10
24	5	5	5	5	10-10-10-10
25	5	5	5	5	#1-10-10-10-10
26	5	5	5	5	10-10-10-10
27	5	5	5	5	10-10-10-10
28	5	5	5	5	10-10-10-10
29	5	5	5	5	10-10-10-10
30	5	5	5	5	#1-10-10-10-10

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 02-08-13
Organization	
Certified by	Date

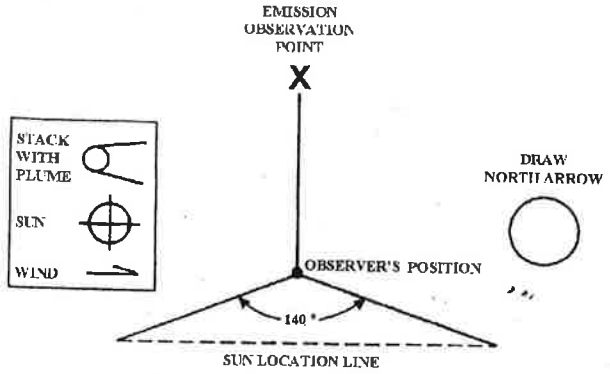
Continue on reverse side

(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: 02-08-13 | Start Time: 1431 | End Time: 1445

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date

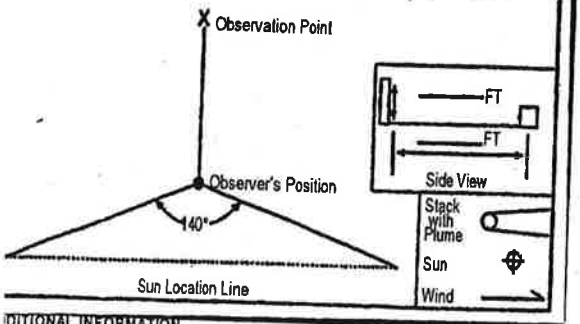
Continue on reverse side

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END	
DISTANCE TO EMISSION POINT START END	DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END	
VERTICAL ANGLE TO OBSERVATION POINT START END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT START END		
DESCRIBE EMISSIONS START END		
EMISSION COLOR START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS START END	
WIND SPEED START END	WIND DIRECTION START END	
AMBIENT TEMP START END	WET BULB TEMP RH percent	

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0230 | END TIME: 0300

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

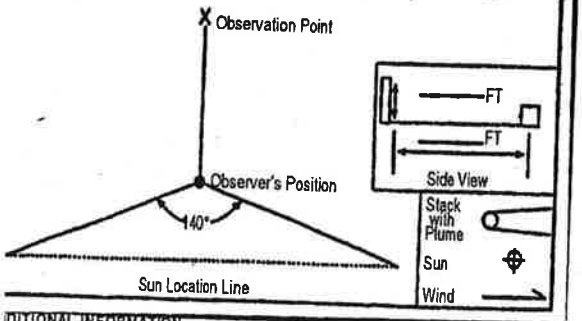
OBSERVER'S NAME (PRINT)	JOE A. COSTA	
OBSERVER'S SIGNATURE		DATE 2/8/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT		HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END
DISTANCE TO EMISSION POINT START END		DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END
VERTICAL ANGLE TO OBSERVATION POINT START END		DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT START END		
DESCRIBE EMISSIONS START END		
EMISSION COLOR START END		WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END		SKY CONDITIONS START END
WIND SPEED START END		WIND DIRECTION START END
AMBIENT TEMP START END		WET BULB TEMP RH percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0300 | END TIME: 0330

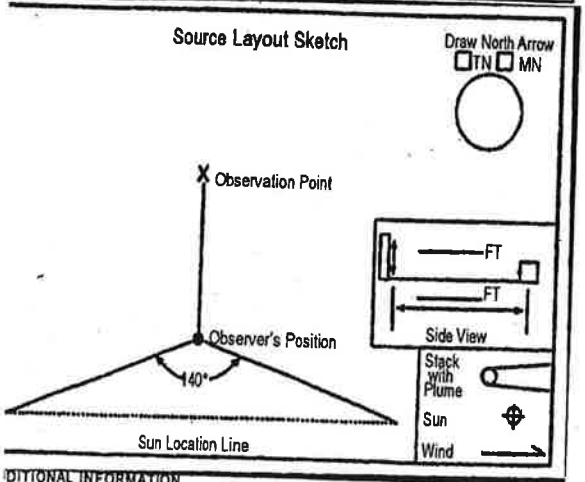
SEC / MIN	0	15	30	45	COMMENTS
1	5	5	5	5	LOADING
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5	5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

OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE		DATE 2/8/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END	
DISTANCE TO EMISSION POINT START END	DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END	
VERTICAL ANGLE TO OBSERVATION POINT START END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT START END		
DESCRIBE EMISSIONS START END		
EMISSION COLOR START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS START END	
WIND SPEED START END	WIND DIRECTION START END	
AMBIENT TEMP START END	WET BULB TEMP RH percent	

Source Layout Sketch



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0330 | END TIME: 0400

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

OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE		DATE 2/8/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME

LOCATION

LOCATION

CITY | STATE | ZIP

PROCESS EQUIPMENT | OPERATING MODE

CONTROL EQUIPMENT | OPERATING MODE

DESCRIBE EMISSION POINT

HEIGHT OF EMISSION POINT

HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER
START END

DISTANCE TO EMISSION POINT
START END

DIRECTION TO EMISSION PT. (DEGREES (0-360))
START END

VERTICAL ANGLE TO OBSERVATION POINT
START END

DIRECTION TO OBSERVATION POINT (DEGREES (0-360))
START END

DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT
START END

DESCRIBE EMISSIONS
START END

EMISSION COLOR
START END

WATER DROPLET PLUME
ATTACHED ☐ DETACHED ☐ NONE ☐

DESCRIBE PLUME BACKGROUND
START END

BACKGROUND COLOR
START END

SKY CONDITIONS
START END

WIND SPEED
START END

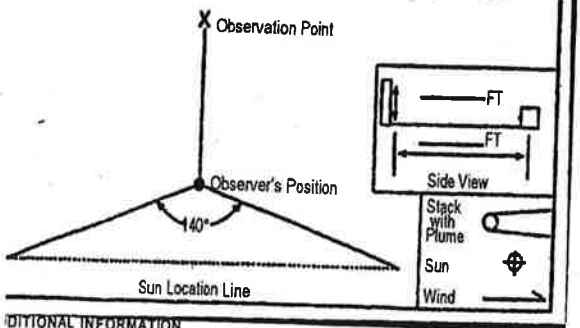
WIND DIRECTION
START END

AMBIENT TEMP
START END

WET BULB TEMP | RH percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0400 | END TIME: 0430

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

OBSERVER'S NAME (PRINT): JOE ACOSTA

OBSERVER'S SIGNATURE: [signature] | DATE: 2/8/13

ORGANIZATION: DEP

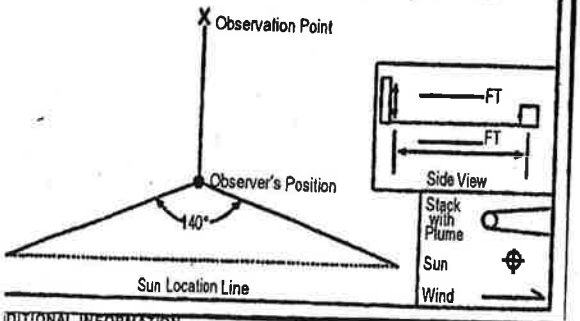
CERTIFIED BY | DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT		HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END
DISTANCE TO EMISSION POINT START END		DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END
VERTICAL ANGLE TO OBSERVATION POINT START END		DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT START END		
DESCRIBE EMISSIONS START END		
EMISSION COLOR START END		WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END		SKY CONDITIONS START END
WIND SPEED START END		WIND DIRECTION START END
AMBIENT TEMP START END		WET BULB TEMP RH percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0430 | END TIME: 0500

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

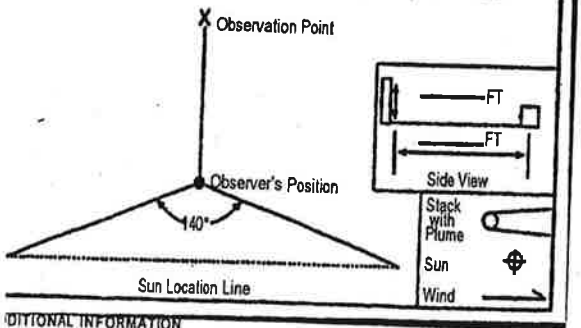
OBSERVER'S NAME (PRINT)	JOE ACOSTA	
OBSERVER'S SIGNATURE		DATE 2/8/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT		HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END
DISTANCE TO EMISSION POINT START END		DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END
VERTICAL ANGLE TO OBSERVATION POINT START END		DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT START END		
DESCRIBE EMISSIONS START END		
EMISSION COLOR START END		WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END		SKY CONDITIONS START END
WIND SPEED START END		WIND DIRECTION START END
AMBIENT TEMP START END		WET BULB TEMP RH percent

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE: 2/8/13 | START TIME: 0500 | END TIME: 0530

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

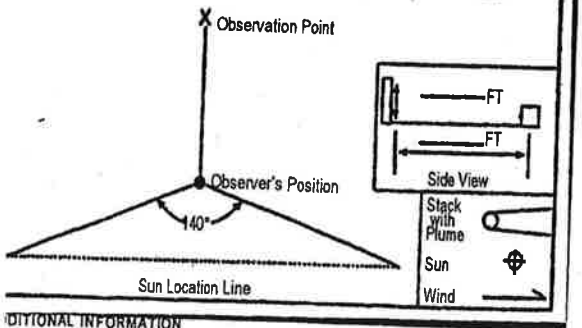
OBSERVER'S NAME (PRINT)	JOE ALOSTA	
OBSERVER'S SIGNATURE		DATE 2/8/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

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

COMPANY NAME		
LOCATION		
LOCATION		
CITY	STATE	ZIP
PROCESS EQUIPMENT		OPERATING MODE
CONTROL EQUIPMENT		OPERATING MODE
DESCRIBE EMISSION POINT		
HEIGHT OF EMISSION POINT	HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER START END	
DISTANCE TO EMISSION POINT START END	DIRECTION TO EMISSION PT. (DEGREES (0-360)) START END	
VERTICAL ANGLE TO OBSERVATION POINT START END	DIRECTION TO OBSERVATION POINT (DEGREES (0-360)) START END	
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT START END		
DESCRIBE EMISSIONS START END		
EMISSION COLOR START END	WATER DROPLET PLUME ATTACHED ☐ DETACHED ☐ NONE ☐	
DESCRIBE PLUME BACKGROUND START END		
BACKGROUND COLOR START END	SKY CONDITIONS START END	
WIND SPEED START END	WIND DIRECTION START END	
AMBIENT TEMP START END	WET BULB TEMP RH percent	

Source Layout Sketch

Draw North Arrow ☐TN ☐MN



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
2/8/13	0530	0600

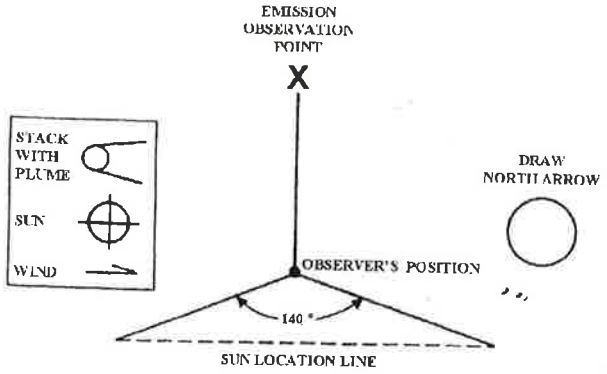
MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	LOADING
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	5	5	
12	5	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5	5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

OBSERVER'S NAME (PRINT)	JOE Austin	
OBSERVER'S SIGNATURE	Joe	DATE 2/8/13
ORGANIZATION	DEP	
CERTIFIED BY		DATE

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	0700	0730

Min \ Sec	0	15	30	45		Comments
1	5	5	5	5		#1-5-5-5-5
2	5	5	5	5		5-5-5-5
3	5	5	5	5		5-5-5-5
4	5	5	5	5		5-5-5-5
5	5	5	5	5		#1-5-5-5-5
6	5	5	5	5		5-5-5-5
7	5	5	5	5		5-5-5-5
8	10	10	10	10	W	5-10-10-10
9	10	10	10	10		10-10-10-10
10	10	10	10	10		#1-10-10-10-10
11	10	10	10	10		10-10-10-10
12	10	10	10	10		10-10-10-10
13	5	5	5	5		10-10-10-10
14	5	5	10	10	W	10-10-10-5
15	10	10	10	10	W	#1-5-5-5-5
16	10	10	10	10		5-5-5-5
17	10	10	10	5	W	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		5-5-5-10
29	5	5	5	5		10-10-10-10
30	5	5	5	5		#1-10-15-15-15

stir ↓ wood

stir

wood

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02.08.13
Organization	
Certified by	Date

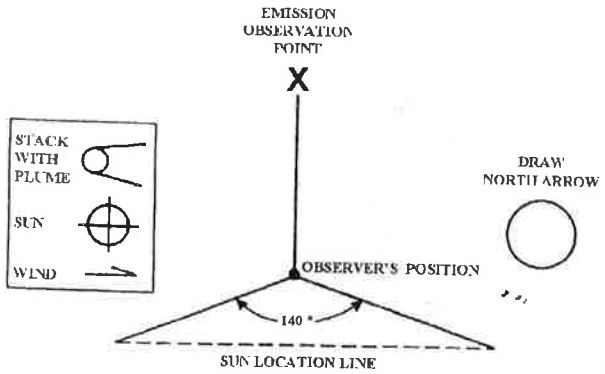
Continue on reverse side

(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: 02-08-13 | Start Time: 0731 | End Time: 0800

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date

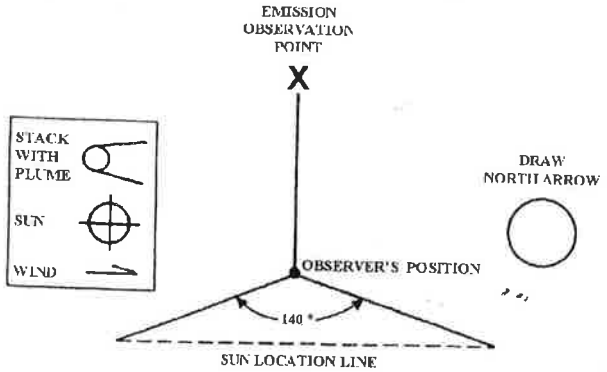
Continue on reverse side

(2)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	0801	0830

Min \ Sec	0	15	30	45	Comments
1	15	15	15	15	#1-15-15-15-15
2	15	15	15	15	15-15-15-15
3	15	15	15	10	15-15-15-15
4	10	10	10	10	15-15-15-10
5	10	5	5	5	#1-10-5-5-5
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	#1-5-10-10-5
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	10	#1-5-5-5-5
21	10	10	10	10	5-5-5-5
22	10	10	10	10	5-5-5-5
23	10	10	10	10	5-5-5-5
24	10	10	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	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	Date
Eric Gregorius	02-08-13
Organization	
Certified by	Date

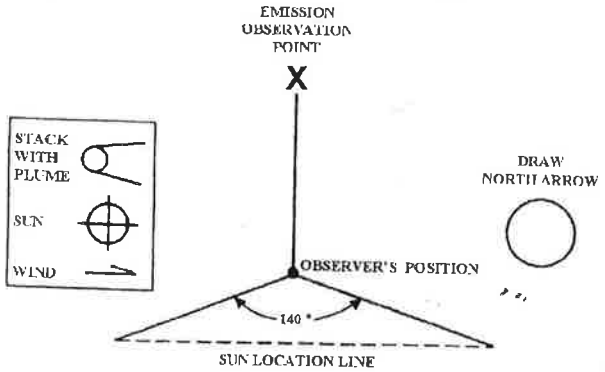
Continue on reverse side

(4)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 02-08-13 | Start Time: 0831 | End Time: 0900

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

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius — Date: 02-08-13

Organization

Certified by — Date

Continue on reverse side

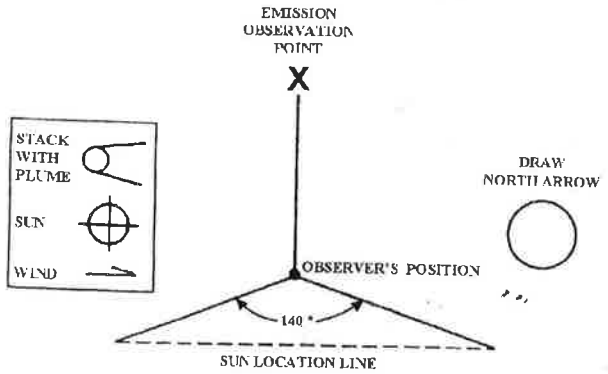
(4)

(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
02-08-13	0901	0930

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date
Continue on reverse side	

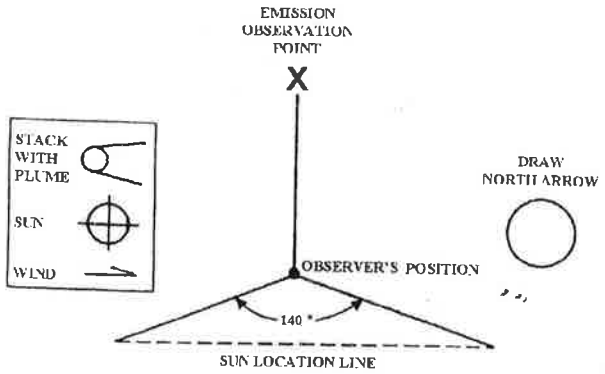
(5)

(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: 02-08-13 | Start Time: 0931 | End Time: 1000

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

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius | Date: 02-08-13

Organization:

Certified by | Date

Continue on reverse side

(6)

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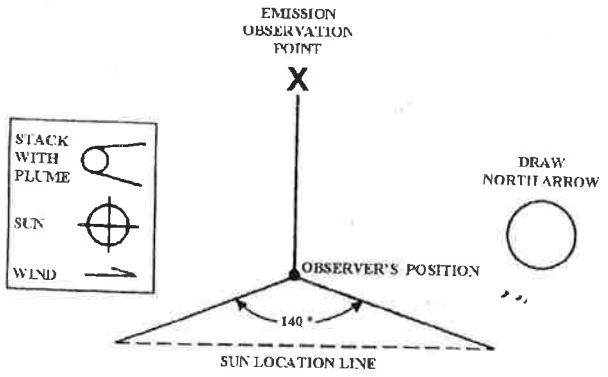
VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	1001	1030

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

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	Date 02-08-13
Organization	
Certified by	Date

Continue on reverse side

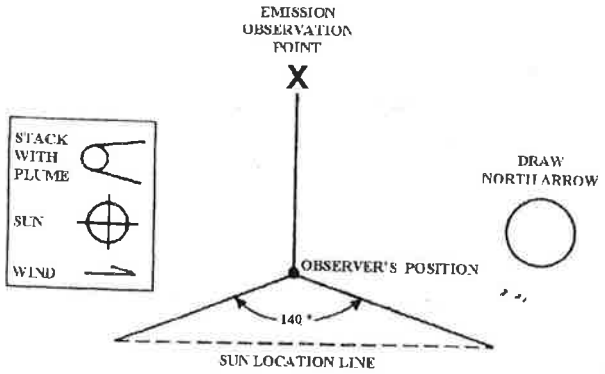
(7)

8

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 02-08-13 | Start Time: 1031 | End Time: 1100

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date

Continue on reverse side

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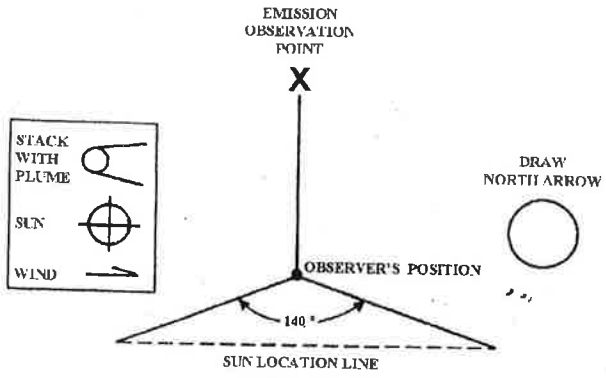
(9)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	1101	1130

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date

Continue on reverse side

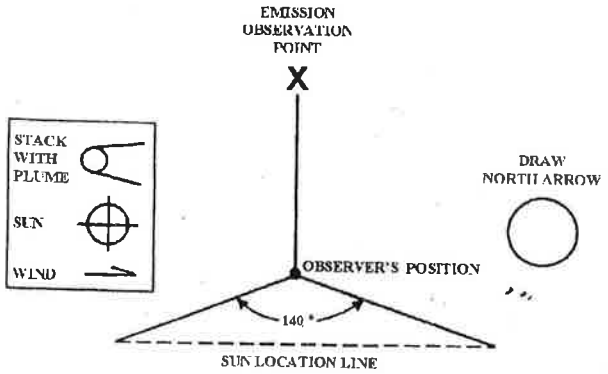
(9)

(10)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	1131	1200

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-08-13
Organization	
Certified by	Date

Continue on reverse side

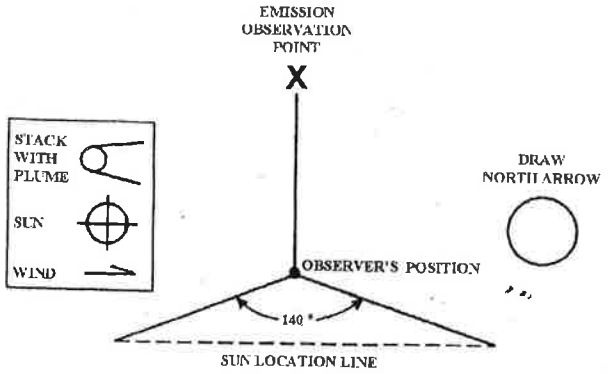
(10)

(11)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-08-13	1201	1230

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

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

Continue on reverse side