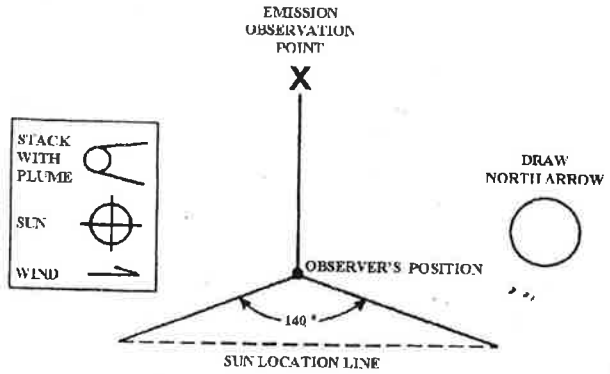
VISIBLE EMISSION OBSERVATION FORM

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
02-07-13	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 - 10 - 10 - 10 - 10 stir wood
6	5	5	5	5	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	5 - 5 - 5 - 5
10	5	5	5	5	#1 - 10 - 10 - 10 - 10 stir wood
11	5	5	5	5	10 - 10 - 10 - 10
12	5	5	5	5	10 - 10 - 10 - 5
13	5	5	5	5	5 - 5 - 5 - 5
14	5	5	5	10	stir wood 5 - 10 - 10 - 10
15	10	10	10	10	#1 - 10 - 10 - 10 - 10
16	5	5	5	5	10 - 10 - 10 - 10
17	5	5	5	5	10 - 10 - 10 - 10
18	5	5	5	5	10 - 10 - 10 - 10
19	5	5	5	5	10 - 10 - 10 - 10
20	5	5	5	5	#1 - 10 - 10 - 10 - 10
21	5	5	5	5	10 - 10 - 10 - 10
22	5	5	5	5	10 - 10 - 10 - 10
23	5	5	5	5	10 - 10 - 10 - 10
24	5	5	5	5	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 - 15 - 15 - 15 stir
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	Date
Eric Gregorius	02-07-13
Organization	
Certified by	Date

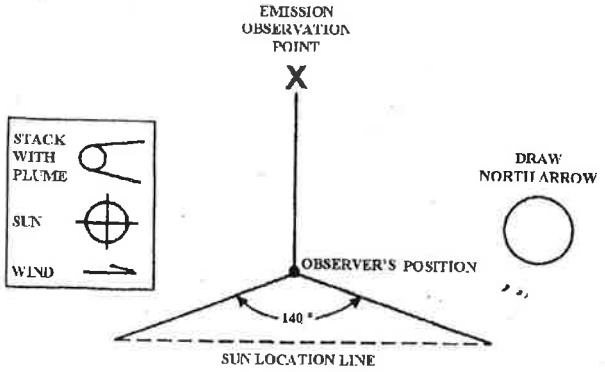
Continue on reverse side

20

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
02-07-13	1731	1800

Min \ Sec	0	15	30	45	Comments
1	Engine off				#1-Ash Clean
2	Wood Burning				Out
3					↓
4					Add wood
5					#1-Engine off
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: 02-07-13
Organization	
Certified by	Date

Additional Information

Continue on reverse side

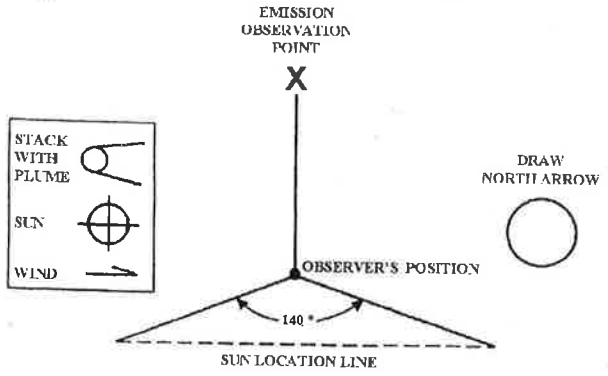
20

(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
02-07-13	0731	0800

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 - 15-15-15-15
2	5	5	5	5	15-15-15-15
3	5	5	5	5	15-10-10-10
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1 - 10-10-10-10
6	5	5	5	5	10-10-10-15
7	5	5	5	5	15-15-15-15
8	5	5	5	5	15-15-15-15
9	5	5	5	5	15-15-15-15
10	5	5	5	5	#1 - 15-15-15-15
11	5	5	5	5	15-15-15-15
12	5	5	5	5	15-15-15-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-15-15
15	5	5	5	5	#1 - 15-15-15-15
16	5	5	5	5	15-15-15-15
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	15-15-15-15 start
22	5	5	5	5	15-15-15-10
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: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

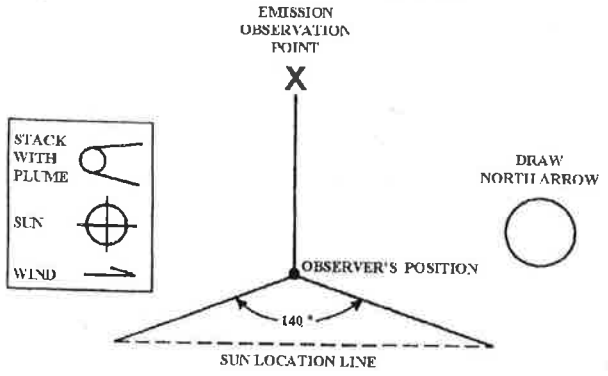
(2)

(3)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date: 02-07-13 | Start Time: 0801 | End Time: 0830

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

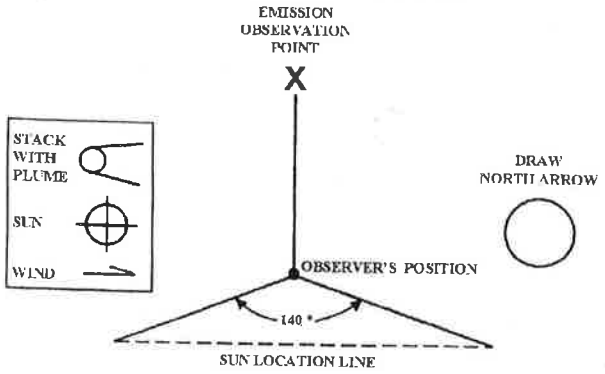
(3)

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
02-07-13	0831	0900

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-15-10-10-10
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	#1-10-10-5-5
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	5-10-10-15
15	5	5	5	5	#1-15-15-15-15
16	5	5	5	5	15-15-15-15
17	5	5	5	5	15-15-15-15
18	5	5	5	5	15-15-15-15
19	5	5	5	5	15-15-15-15
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	15-15-15-15
24	5	5	5	5	15-15-15-15
25	10	10	10	5	#1-15-15-15-10
26	5	5	5	10	10-10-10-10
27	10	10	5	5	10-10-10-10
28	5	5	5	5	10-10-15-15
29	5	5	5	5	15-15-10-10
30	5	5	5	5	#1-10-10-10-10

Observer's Name (Print)	Eric Gregorius
Observer's Signature	Eric Gregorius
Date	02-07-13
Organization	
Certified by	
Date	

Continue on reverse side

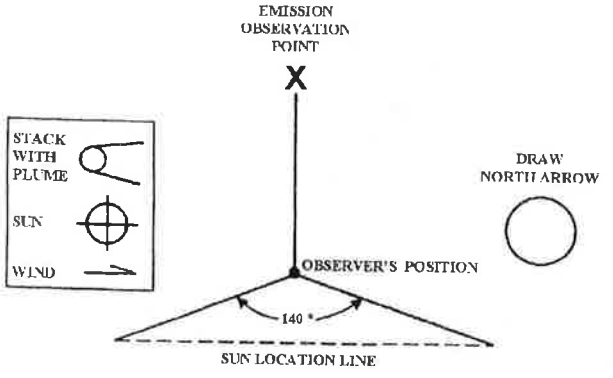
4

(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
02-07-13	0901	0930

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-10-10
2	5	5	5	5	10-10-10-10
3	5	5	5	5	10-5-5-5
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	5-5-5-5
9	10	10	10	5	5-10-15-15
10	5	5	5	5	#1-15-15-15-15
11	5	5	5	5	15-15-10-10
12	5	5	5	5	10-10-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-10-10-10
15	5	5	5	5	#1-10-10-10-15
16	5	5	5	5	15-15-15-15
17	5	5	5	5	15-15-10-10
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	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	10-10-10-10
29	5	5	5	5	10-10-10-10
30	5	5	5	5	#1-10-5-5-5

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

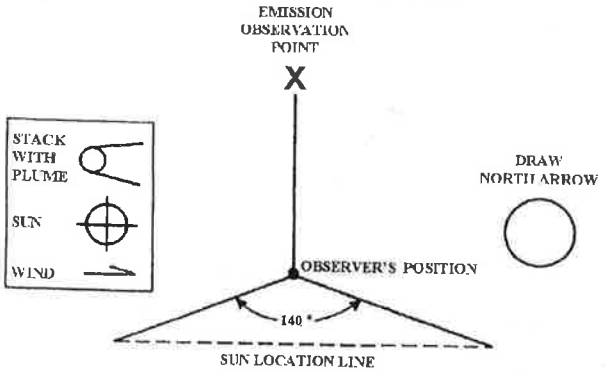
(5)

(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: 02-07-13 | 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	10-15-15-15
5	5	5	5	5	#1-15-15-15-20
6	5	5	5	5	20-20-20-20
7	5	5	5	5	20-15-15-15
8	5	5	5	5	15-10-10-10
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	5-5-5-10
13	5	5	5	5	10-10-10-10
14	5	5	5	5	10-10-10-10
15	10	10	10	10	#1-10-10-10-10
16	10	10	10	10	10-10-10-10
17	10	15	15	15	10-10-10-10
18	15	15	15	15	10-10-10-10
19	15	15	15	15	10-15-15-15
20	15	15	15	15	#1-15-15-15-15
21	15	15	15	15	15-15-15-15
22	15	15	15	15	15-15-15-15
23	15	10	10	10	15-10-10-10
24	10	10	10	10	10-10-10-10
25	10	10	10	10	#1-10-10-10-10
26	10	10	5	5	10-10-10-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Observer's Name (Print): Eric Gregorius

Observer's Signature: Eric Gregorius | Date: 02-07-13

Organization

Certified by | Date

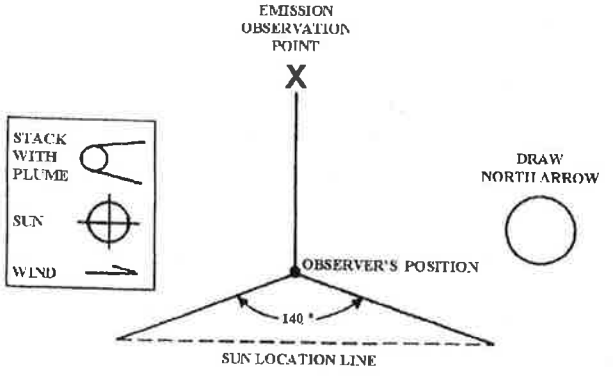
Continue on reverse side

(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
02-07-13	1001	1030

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1-5-5-5-5 Adjust R.P.M's
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	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	10-15-15-15
30	5	5	5	5	#1-20-20-20-20

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

(8)

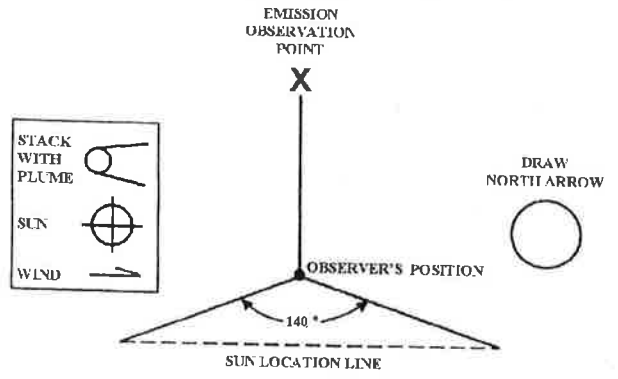
VISIBLE EMISSION OBSERVATION FORM

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**

Observation Date 02-07-13 | **Start Time** 10:31 | **End Time** 1100

Min \ Sec	0	15	30	45		Comments
1	5	5	5	5		#1 - 20 - 20 - 20 - 15
2	5	5	5	10		15 - 15 - 15 - 15
3	10	15	20	20	#2	15 - 15 - 15 - 15
4	20	20	30	30	unable	15 Unable to Read
5	30	30	30	30		#1 - #2 Blocked Unit w/Smoke
6	30	30	30	30		
7	30	30	30	30		
8	30	30	30	30		
9	30	30	20	20		
10	20	20	20	15		#1
11	15	15	15	15		
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	10	10	5	5	Star	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

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregorwis	
Observer's Signature Eric Gregorwis	**Date** 02-07-13
Organization	
Certified by	**Date**

Additional Information

Continue on reverse side

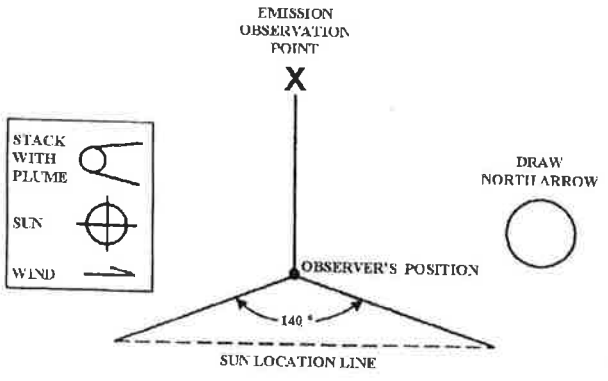
(8)

(9)

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-07-13	1101	1130

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	5-5-10-10
5	5	5	5	5	#1-10-10-10-10
6	→	→	→	→	Brake
7					
8					
9					
10					#1-
11					
12					
13					
14					
15					#1-
16					
17					
18					
19					
20					#1-
21					
22					
23					
24	→	→	→	→	Brake
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	#1-5-5-5-5

Start 1

Observer's Name (Print)	Eric Gregorius
Observer's Signature	Eric Gregorius
Date	02-07-13
Organization	
Certified by	Date

Continue on reverse side

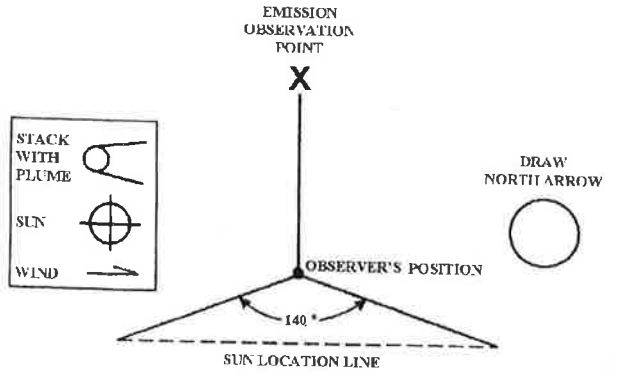
(9)

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
02-07-13	1131	1200

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	10-10-10-10
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1-10-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-10-10-10
8	5	5	5	5	10-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	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	#0-10-10-10-10
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	5-5-5-5
28	5	5	5	5	5-10-10-10
29	5	5	5	5	10-10-10-10
30	5	5	5	5	#1-10-10-10-10

5th wood

Observer's Name (Print)	Eric Gregorwicz
Observer's Signature	Eric Gregorwicz
Date	02-07-13
Organization	
Certified by	
Date	

Continue on reverse side

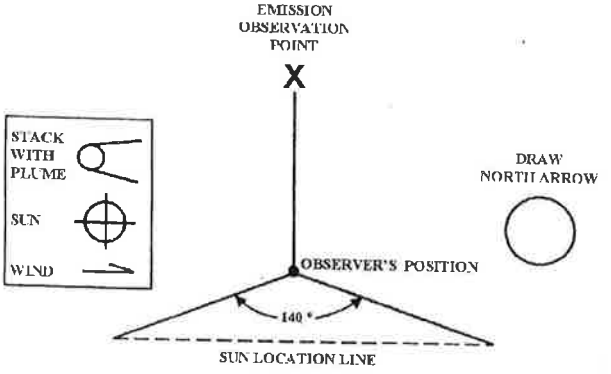
10

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
02-07-13	1201	1230

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 start
6	5	5	5	5	10-10-10-10
7	5	5	5	5	10-10-10-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	5	5	10-10-10-10 wind
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: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

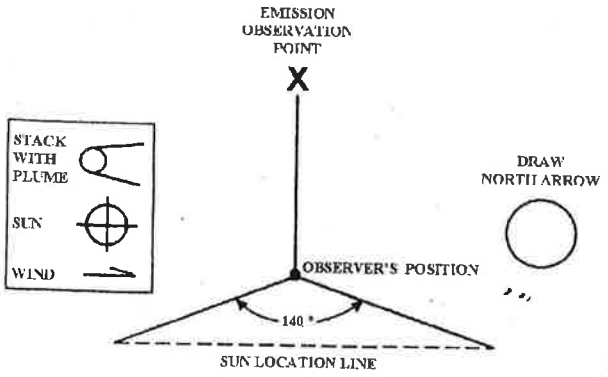
11

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
02-07-13	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	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	10-10-10-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1-5-5-5-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-5
14	5	5	5	5	5-5-5-5
15	5	5	5	5	#1-5-5-5-5
16	5	5	5	5	5-5-5-5
17	5	5	5	5	5-5-5-5
18	5	5	5	5	5-5-5-5
19	5	5	5	5	5-5-5-5
20	5	5	5	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	5	5	5	5	5-5-5-5
24	5	5	5	5	5-5-5-5
25	5	5	5	5	#1-5-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-10-10
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: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

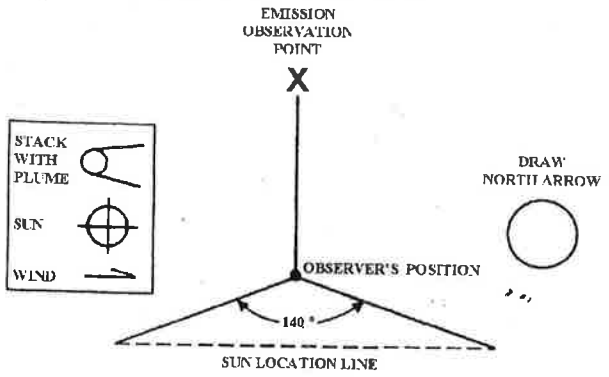
12

(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: 02-07-13 | Start Time: 1301 | End Time: 1330

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-10-10-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-10-10-10 Stk wood
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	10-15-15-15 wood
9	5	5	5	5	15-15-15-10
10	5	5	5	5	#1-10-10-10-10
11	5	5	5	5	10-10-10-10
12	5	5	5	5	15-15-15-15 wood
13	5	5	5	5	15-15-15-15
14	5	5	5	5	15-15-15-15
15	5	5	5	10	wd #1-15-15-15-10
16	10	10	10	10	10-10-10-10
17	10	10	10	10	10-10-10-5
18	10	10	10	10	5-5-5-5
19	10	10	10	10	5-5-5-5
20	10	10	10	5	#1-5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-10
23	5	5	5	5	10-10-10-10
24	5	5	5	5	10-10-10-10
25	5	5	5	5	#1-10-5-5-5
26	5	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-10
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: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

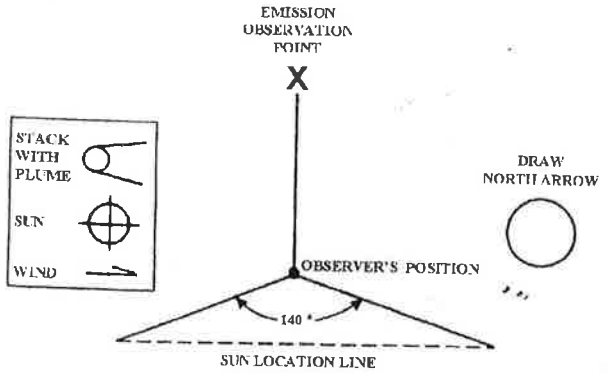
(13)

(14)

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: 02-07-13 | Start Time: 1331 | End Time: 1400

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	10-10-10-10 stir
4	5	5	5	5	10-10-10-10
5	5	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	5-5-5-10
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	10-5-5-5
15	5	5	5	5	#1-10-10-10-10 stir wood
16	5	5	5	5	15-20-20-20
17	5	5	5	5	20-20-20-20
18	5	5	5	5	20-20-20-20
19	5	5	5	5	15-15-10-10
20	5	5	5	5	#1-10-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	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: 02-07-13
Organization	
Certified by	Date

Additional Information

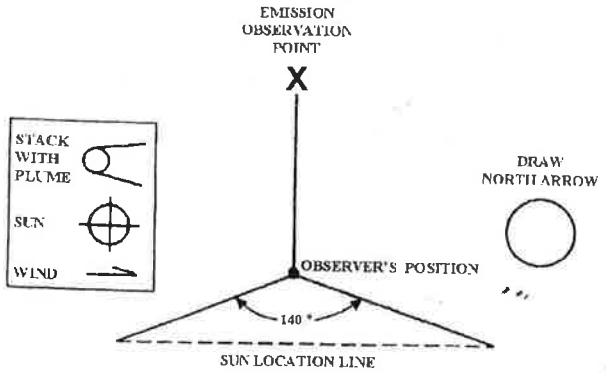
Continue on reverse side

(14)

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: 02-07-13 | Start Time: 1500 | End Time: 1530

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1-5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1-5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	10-10-10-10
9	5	5	5	5	10-10-10-10
10	5	5	5	5	#1-10-10-10-5
11	5	5	5	5	5-5-5-5
12	5	5	5	5	5-5-5-5
13	5	5	5	5	5-5-5-10
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	10-10-10-5
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: 02-07-13
Organization	
Certified by	Date

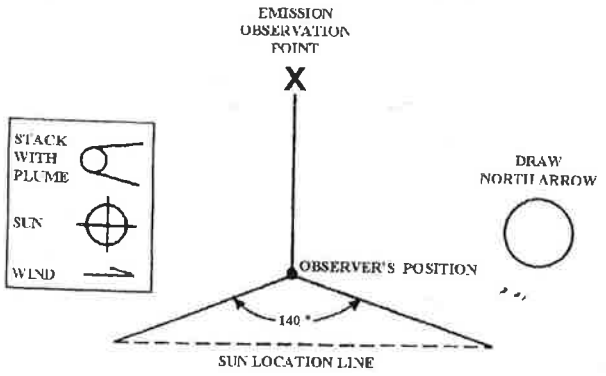
Continue on reverse side

16

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
02-07-13	1531	1600

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

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-07-13
Organization	
Certified by	Date

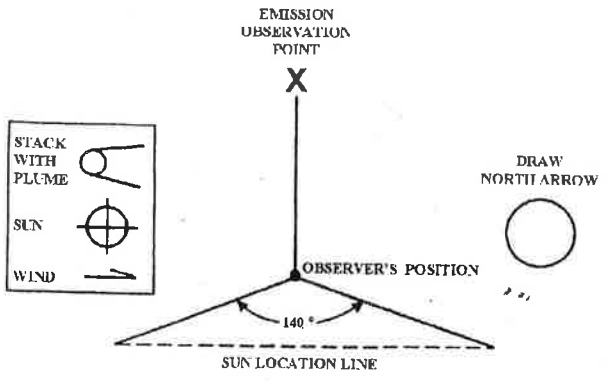
Continue on reverse side

16

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
02-07-13	1601	1630

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

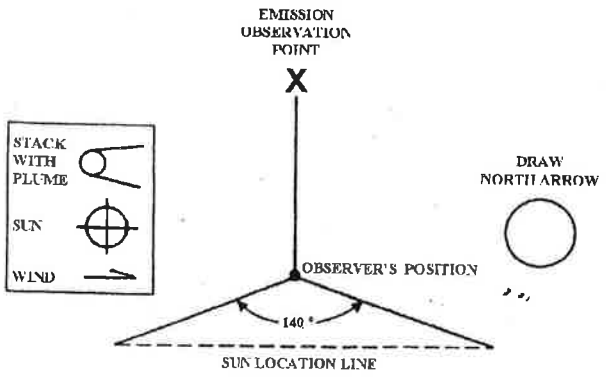
Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-07-13	1631	1700

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

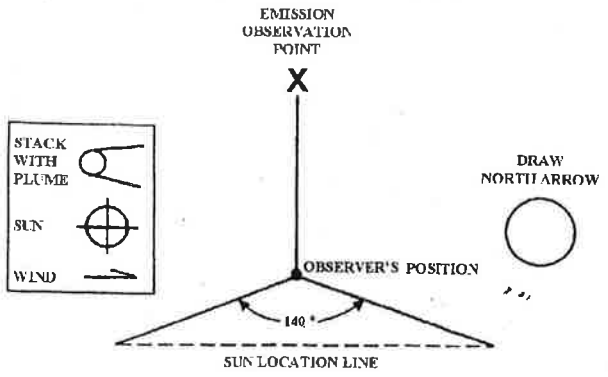
Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 02-07-13
Organization	
Certified by	Date

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
02-07-13	1701	1730

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-
5	5	5	5	5	#1-10-
6	5	5	5	5	10-10-10-10
7	Engine off				Engine off-
8	Ash clean				
9		out			
10					#1-
11					
12					
13					
14					
15					#1-
16					
17					
18	Add wood				
19	Engine off				
20					#1-
21					Clean out
22					Ash
23					
24					
25					#1-
26					
27					
28					
29					
30					#1-

Observer's Name (Print)	
Eric Gregorius	
Observer's Signature Eric Gregorius	Date 02-07-13
Organization	
Certified by	Date

Continue on reverse side