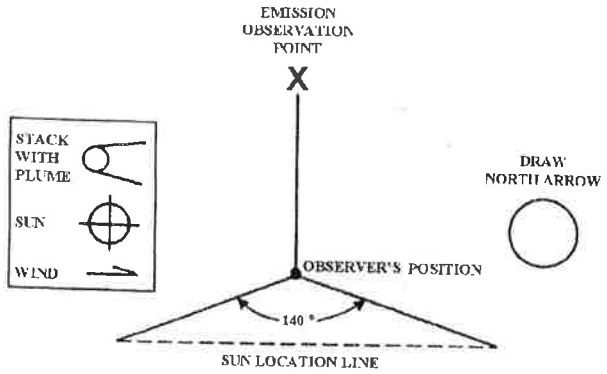
VISIBLE EMISSION OBSERVATION FORM

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
01-16-13	0700	0730

Min \ Sec	0	15	30	45		Comments
1	5	5	5	5		#1 5-5-5-5
2	5	5	5	5		10-10-10-10
3	10	10	10	10		10-10-10-10
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		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		5-5-15-15
18	5	5	5	5		10-10-10-5
19	5	5	5	5		5-5-5-5
20	10	10	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		10-10-5-5
24	5	5	5	5		5-5-10-10 Stir
25	5	5	5	5		#1 10-10-10-10 Stir
26	5	5	5	5		10-10-10-10 Stir
27	10	10	10	10	Stir	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	5	5		#1 10-10-10-10

Observer's Name (Print): Eric Gregorius	
Observer's Signature: Eric Gregorius	Date: 01-16-13
Organization	
Certified by	Date

Continue on reverse side

(2)

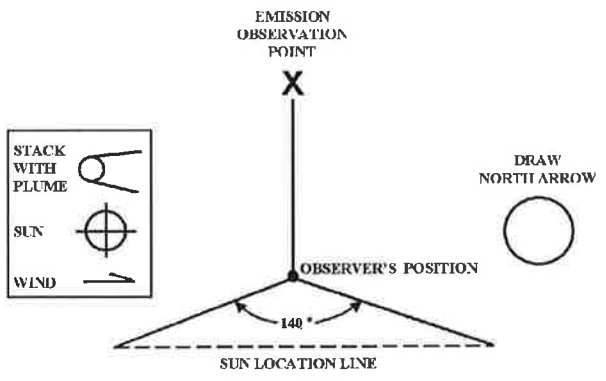
VISIBLE EMISSION OBSERVATION FORM

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**

Observation Date 01-16-13 **Start Time** 0731 **End Time** 0800

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 10-10-10-10
2	5	5	5	5	10-10-10-10
3	5	5	5	5	10-10-10-10
4	5	5	5	5	10-10-10-10
5	5	5	5	5	#1 10-10-10-10
6	5	5	5	5	10-10-10-10
7	5	5	5	5	10-10-10-10
8	5	5	5	5	10-10-5-5
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	0	0	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	0	0	0	0	5-5-5-5
23	0	0	0	0	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	0	0	0	0	5-5-10-10
29	0	0	0	0	5-5-5-5
30	0	0	0	0	#1 5-5-5-5

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Additional Information

Continue on reverse side

(2)

(3)

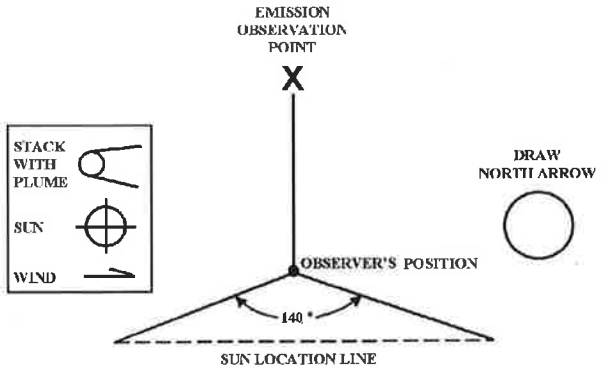
VISIBLE EMISSION OBSERVATION FORM

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**

Observation Date 01-16-13 **Start Time** 0801 **End Time** 0830

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	5	5	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	5	5	5	#1 5-5-5-5
11	5	5	5	5	5-5-5-5
12	0	0	0	0	5-5-5-5
13	0	0	0	0	5-5-10-10
14	0	0	0	0	10-5-5-10
15	0	0	0	0	#1 5-5-5-5
16	0	0	0	0	10-10-10-10
17	0	0	0	0	10-10-10-10
18	0	0	0	0	10-10-10-10
19	0	0	0	0	10-10-15-15
20	0	5	5	10	#1 15-10-10-10
21	5	5	5	5	10-10-10-10
22	5	5	5	5	10-10-10-10
23	5	0	0	5	10-5-5-5
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	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

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Additional Information

Continue on reverse side

(3)

(4)

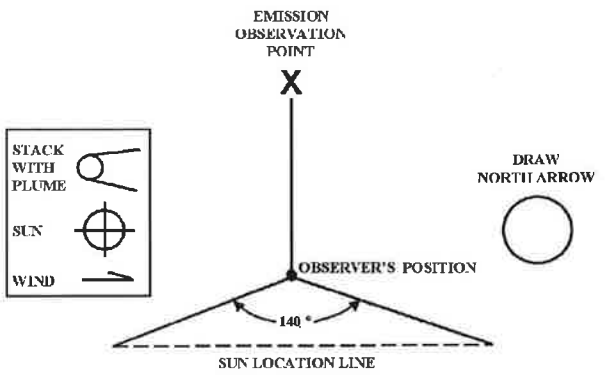
VISIBLE EMISSION OBSERVATION FORM

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**

Observation Date 01-16-13 **Start Time** 0831 **End Time** 0900

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

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Additional Information

Continue on reverse side

(4)

(5)

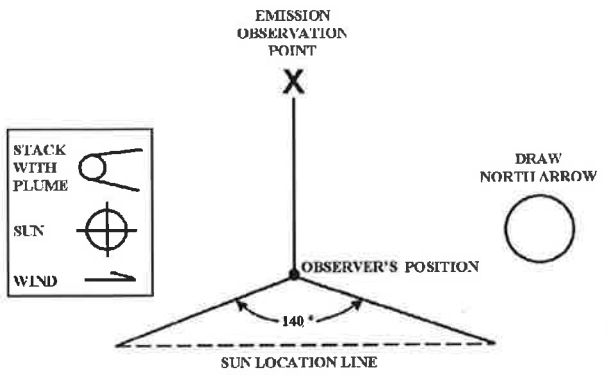
VISIBLE EMISSION OBSERVATION FORM

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

Observation Date 01-16-13 **Start Time** 0901 **End Time** 0930

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	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	5	5	5-0-0-0
7	5	5	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	5	5	5	0	#1 0-0-0-0
11	5	5	5	5	0-0-0-0
12	0	0	0	0	5-5-5-0
13	0	0	0	0	5-5-5-0
14	0	0	0	0	5-0-0-0
15	0	0	0	0	#1 5-5-5-5
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 0-0-0-0
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	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	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 0-0-0-0

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Additional Information

Continue on reverse side

(5)

(6)

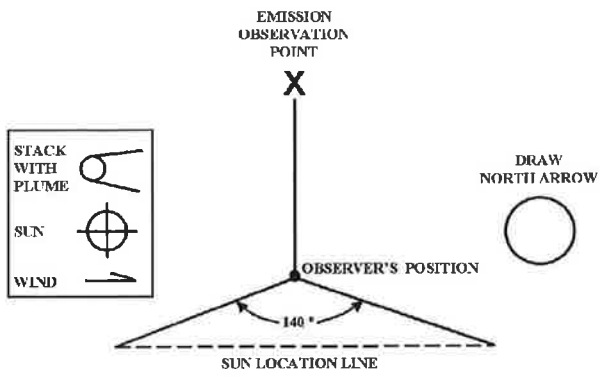
VISIBLE EMISSION OBSERVATION FORM

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

Observation Date 01·16·13 **Start Time** 0931 **End Time** 1000

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

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregerius

Observer's Signature Eric Gregerius **Date** 01·16·13

Organization

Certified by **Date**

Additional Information

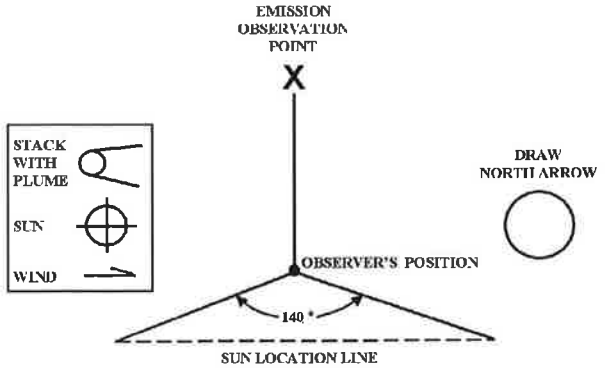
Continue on reverse side

(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**
01-16-13	1001	1030

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	5-5-5-5
4	0	5	5	5	5-0-0-0
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	5	5	5-5-5-5
10	5	0	0	0	#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	0	0	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	#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	5-5-10-10
29	0	0	0	0	10-10-10-10
30	0	0	0	0	#1 10-10-10-10

Observer's Name (Print) Eric Gregorius

Observer's Signature Eric Gregorius — **Date** 01-16-13

Organization

Certified by — **Date**

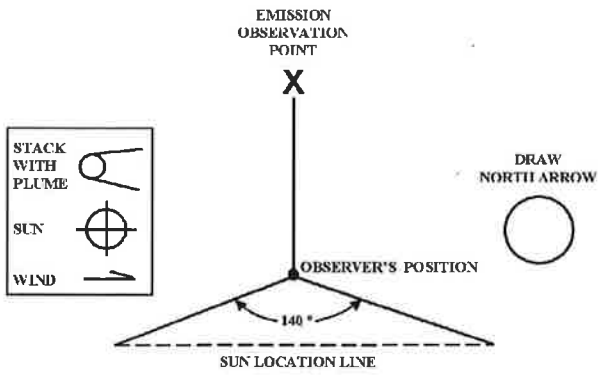
Continue on reverse side

(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**

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	**Start Time**	**End Time**
01-16-13	1031	1100

Sec / Min	0	15	30	45	Comments
1	0	0	0	0	#1 10-10-10-10
2	0	0	0	0	10-10-10-10
3	0	0	0	0	10-10-10-10
4	0	0	0	0	10-10-10-10
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	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	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	5-5-5-5
16	5	5	0	0	5-5-5-5
17	0	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	5-5-5-5
21	5	5	5	5	5-5-5-5
22	5	5	5	5	5-5-5-5
23	0	0	0	0	5-5-5-5
24	0	0	0	0	0-0-0-0
25	0	0	0	0	0-0-0-0
26	0	0	0	0	0-0-0-0
27	0	0	0	0	5-5-5-0
28	0	5	5	5	5-5-5-5
29	5	5	5	5	5-5-5-5
30	5	5	5	5	5-5-5-5

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

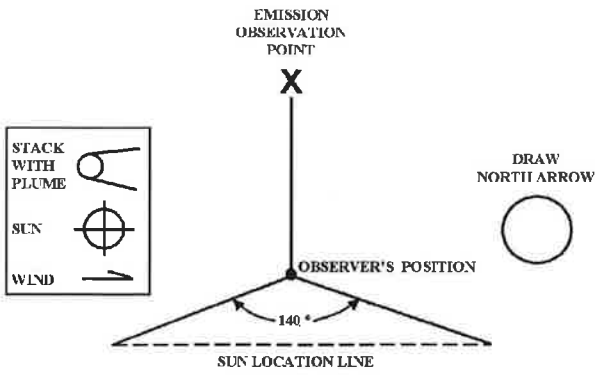
Continue on reverse side

(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**

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	**Start Time**	**End Time**
01-16-13	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	10-5-5-5
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	0	0	0	0	0-0-0-0
8	0	0	0	0	0-0-0-0
9	0	0	0	0	5-5-0-0
10	0	0	0	0	#1 0-0-0-0
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	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	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	5	5	#1 5-5-5-5

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

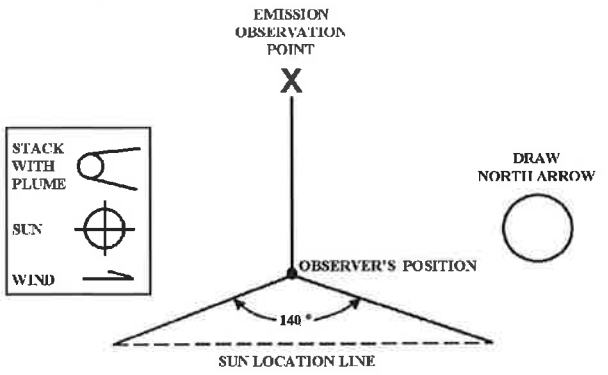
Continue on reverse side

(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		
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 01-16-13	**Start Time** 1131	**End Time** 1200

Sec / Min	0	15	30	45		Comments
1	5	5	5	5		#1 5-0-0-0-0
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	5	5	5	5		0-0-0-0
8	5	5	5	5		0-0-0-0
9	10	10	10	10	Shift	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	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	0	0	0	0		0-0-0-0
20	0	0	0	0		#1 0-0-0-0
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	5		0-0-0-0
25	5	5	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		0-0-05
30	5	5	5	5		#1 5-5-5-5

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Continue on reverse side

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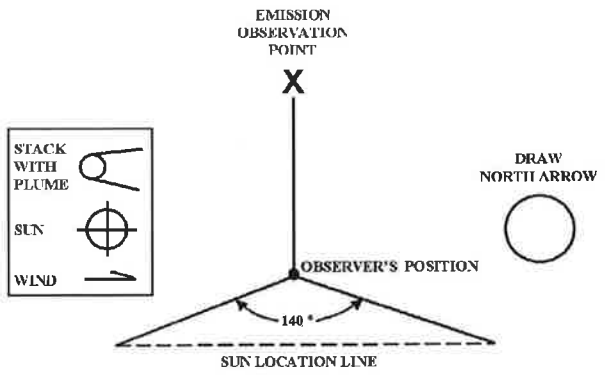
VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	**Start Time**	**End Time**
01·16·13	1201	1230

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 5·5·5·5
2	0	0	0	0	0·0·0·0
3	0	0	0	0	5-5-5·5
4	0	0	0	0	5·5·0 0
5	5	5	5	5	#1 0-0·0·0
6	0	0	0	0	0-5·5-5
7	0	0	0	0	5-5·5·5
8	0	0	0	0	5-5·5·5
9	0	0	0	0	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	5·5-5·5
13	0	0	0	0	5·5·5·5
14	0	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	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 5-5-5-0

Observer's Name (Print) Eric Gregorius

Observer's Signature Eric Gregorius — **Date** 01·16·13

Organization

Certified by — **Date**

Continue on reverse side

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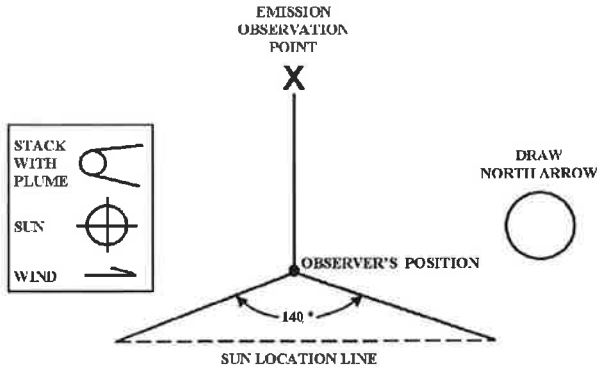
VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date 01·16·13	**Start Time** 1231	**End Time** 1300

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	5-5-5-5
4	0	0	0	0	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	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	5-5-5-5
14	0	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	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	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	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** 01·16·13
Organization	
Certified by	**Date**

Continue on reverse side

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VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	**State**	**Zip**
Process Equipment		**Operating Mode**
Control Equipment		**Operating Mode**

Describe Emission Point

Height of Emission Point	**Height Relative to Observer** Start End
Distance to Emission Point Start End	**Direction to Emission Point** Start End
Vertical Angle to Observation Pt. Start End	**Direction to Observation Point** Start End

Describe Emissions Start End

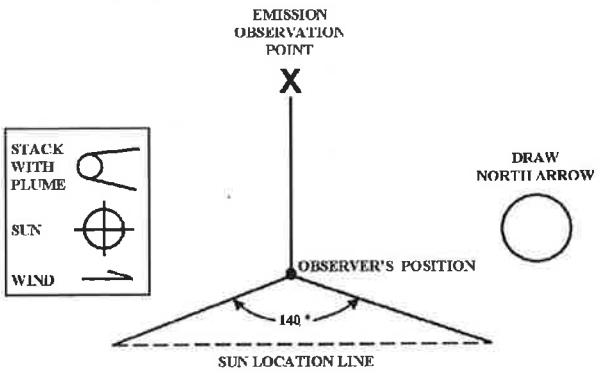
Emission Color Start End	**If Water Droplet Plume (Circle)** Attached Detached N/A

Point In The Plume At Which Opacity Was Determined Start End

Describe Plume Background Start End

Background Color Start End	**Sky Condition** Start End
Wind Speed Start End	**Wind Direction** Start End
Ambient Temp Start End	**Wet Bulb Temp** / **RH Percent**

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01·16·13	1301	1330

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 5-5-5-5
2	5	5	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					Break
7					
8					
9					
10					#1
11					
12					
13					
14					
15					#1
16					
17					
18					
19					
20	0	0	0	0	#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	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** 01·16·13
Organization	
Certified by	**Date**

Continue on reverse side

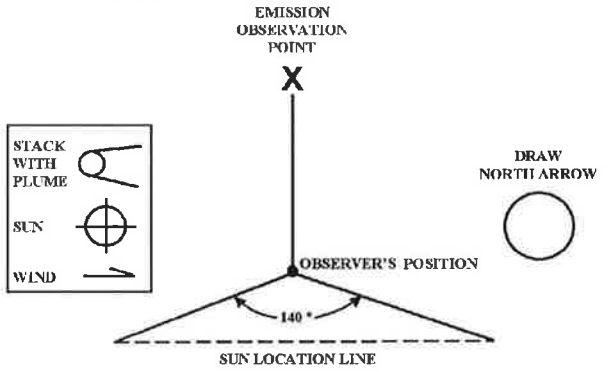
(13)

(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



Additional Information

Observation Date	**Start Time**	**End Time**
01-16-13	1331	1400

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 10-10-10-10
2	5	5	5	5	10-10-10-10
3	5	5	5	5	10-10-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 5-5-5-5
6	0	0	0	0	5-5-5-5
7	0	0	0	0	5-5-5-5
8	5	5	5	5	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	5	5	5	0-5-5-5
13	5	5	5	5	5-5-5-5
14	0	0	0	0	0-0-0-0
15	0	0	0	0	#1 0-0-0 0
16	0	0	0	0	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	5-10-10-10 5hr
23	0	0	0	0	10-10-5-5
24	0	0	0	0	5-5-5-5
25	0	0	0	0	#1 5-5-5-5
26	0	5	5	5	5-5-5-5
27	5	5	5	5	5-5-5-5
28	5	5	0	0	5-5-5-5
29	5	5	5	5	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** 01-16-13
Organization	
Certified by	**Date**

Continue on reverse side

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VISIBLE EMISSION OBSERVATION FORM

Company Name		
Location		
City	**State**	**Zip**
Process Equipment		**Operating Mode**
Control Equipment		**Operating Mode**

Describe Emission Point

Height of Emission Point	**Height Relative to Observer** Start End
Distance to Emission Point Start End	**Direction to Emission Point** Start End
Vertical Angle to Observation Pt. Start End	**Direction to Observation Point** Start End

Describe Emissions Start End

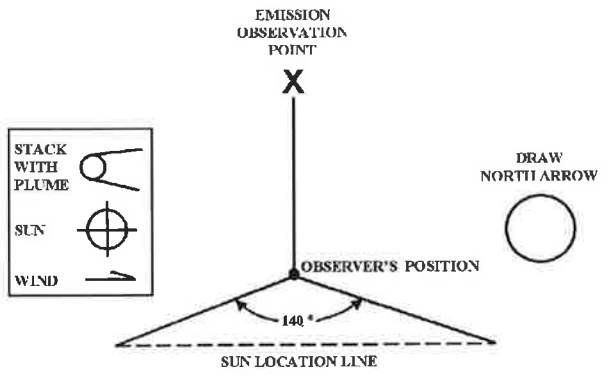
Emission Color Start End	**If Water Droplet Plume (Circle)** Attached Detached N/A

Point In The Plume At Which Opacity Was Determined Start End

Describe Plume Background Start End

Background Color Start End	**Sky Condition** Start End	
Wind Speed Start End	**Wind Direction** Start End	
Ambient Temp Start End	**Wet Bulb Temp**	**RH Percent**

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	**Start Time**	**End Time**
01-16-13	1401	1430

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	5-5-5-5
4	0	0	0	0	5-5-5-5
5	5	5	5	5	#1 5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1 5-5-5-5
11	5	5	5	5	5-10-10-5 str
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	0	0	0	0	10-5-5-5 str
27	0	0	5	5	5-5-10-10 str
28	5	5	5	5	10-5-10-10
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** 01-16-13

Organization

Certified by **Date**

Continue on reverse side

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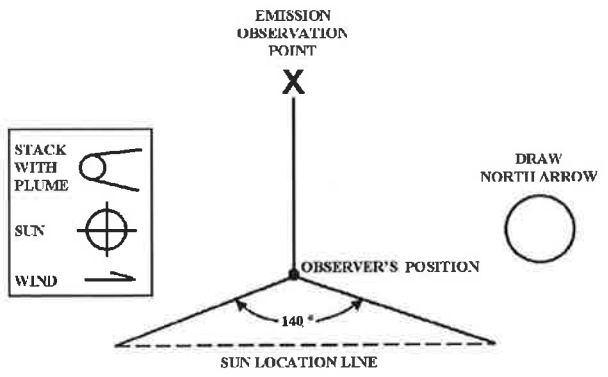
VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	**Start Time**	**End Time**
01-16	1531	1600

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 5-5-10-10 5 hr
2	5	5	5	5	10-10-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 5-5-5-5
6	5	5	5	5	5-5-5-5
7	5	5	5	5	5-5-5-5
8	5	5	5	5	5-5-5-5
9	5	5	5	5	5-5-5-5
10	5	5	5	5	#1 5-5-5-5
11	5	5	5	5	5-5-5-5
12	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	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	10	10	10	10	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** 01-16-13
Organization	
Certified by	**Date**

Continue on reverse side

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(17)

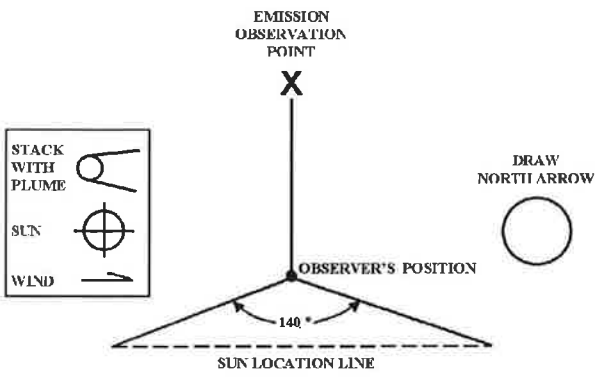
VISIBLE EMISSION OBSERVATION FORM

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 01-16-13 **Start Time** 1601 **End Time** 1630

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 5-5-5-5
2	5	5	5	5	5-5-5-5
3	5	5	5	5	5-5-5-5
4	5	5	5	5	5-5-5-5
5	5	5	5	5	#1 5-5-5-5
6	5	5	5	5	5-5-5-10 str
7	5	5	5	5	10-10-5-5
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	5-10-10-15 str
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	
29	5	5	5	5	
30	5	5	5	5	#1

SOURCE LAYOUT SKETCH



Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Additional Information

1618 #1 Down for Repair or Adjustment

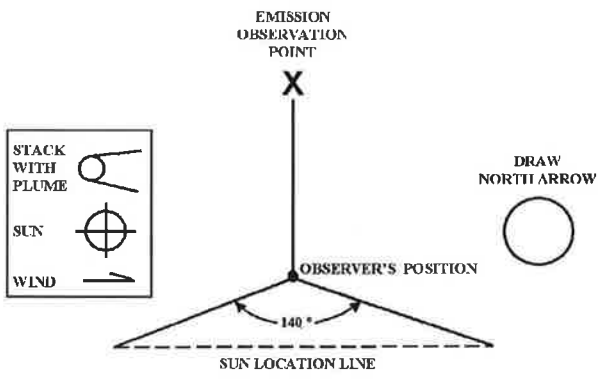
Continue on reverse side

(17)

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

#1 Unit Down for Repair or Adjustment

Observation Date	Start Time	End Time
01-16-13	1631	1700

Min \ Sec	0	15	30	45	Comments
1	5	5	5	5	#1 Down
2	5	5	5	5	
3	5	5	5	5	
4	5	5	5	5	
5	5	5	5	5	#1
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	#1
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	#1
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	#1
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	#1
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	#1

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Continue on reverse side

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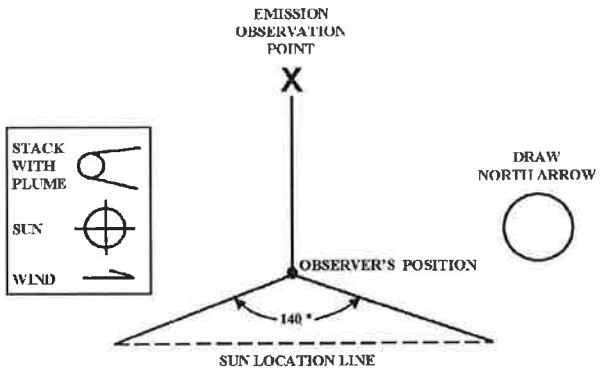
VISIBLE EMISSION OBSERVATION FORM

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

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
01-16-13	1701	1730

Sec / Min	0	15	30	45	Comments
1	5	5	5	5	#1 Down
2	5	5	5	5	
3	5	5	5	5	
4	—	—	—	—	Brake
5	—	—	—	—	#1 Down
6	—	—	—	—	
7	—	—	—	—	
8	—	—	—	—	
9	—	—	—	—	Brake
10	5	5	5	5	#1
11	5	5	5	5	
12	5	5	5	5	Down
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	#1
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	#1
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	#1
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	#1

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Continue on reverse side

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(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

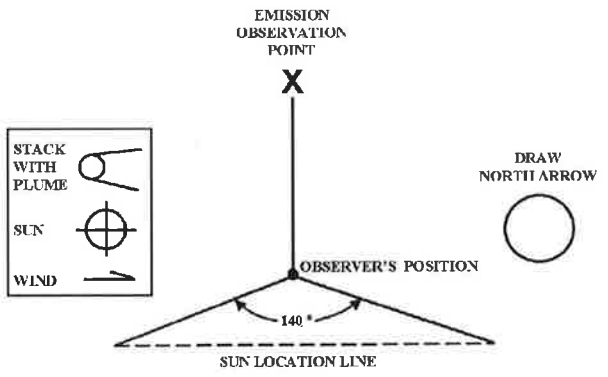
Point In The Plume At Which Opacity Was Determined Start End

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



Additional Information

Observation Date	**Start Time**	**End Time**
01-16-13	1731	1800

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

Observer's Name (Print) Eric Gregorius	
Observer's Signature Eric Gregorius	**Date** 01-16-13
Organization	
Certified by	**Date**

Continue on reverse side

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