VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION	
Company Name	OMAK WOOD PRODUCTS, LLC
Address	1100 E. 8TH AVE. OMAK, WA 98841
Phone #	509.322.7348
Source Description	BOILER
I.D. #	1
Operating Mode / Output Rate	RUNNING 25,000
Control Equipment	WET SCRUBBERS
Operating Mode	

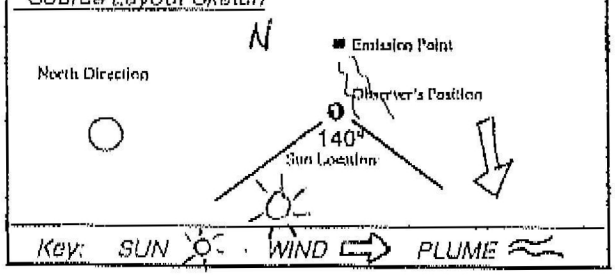
PLUME INFORMATION	@ START	@ END
Emission Point Description	STACK	
Height Above Ground	180	
Height Relative to Observer	155	
Distance from Observer	233yds	
Direction from Observer	NE	
Plume Type : Continuous	✓	
: Intermittent		
: Fugitive		
Plume Color	WHITE	
Water Droplets Present?	NO	
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed	END	
Description of Background	CONVEYOR	
Color of Background	TAN/GREEN	
Condition of Sky	CLEAR	
Wind Speed (MPH)	Gusts 5-10	
Wind Direction (from)	NW	
Ambient Temperature (°F)	63°	
Relative Humidity	58	

OBSERVATION RECORD

DATE 10.10.13 | TIME Start 1:23 PM | End 1:54 PM

Min	Seconds 0	15	30	45	Min	Seconds 0	15	30	45
1	5	10	10	5	31				
2	15	15	20	25	32				
3	20	20	15	20	33				
4	15	25	20	15	34				
5	15	10	5	10	35				
6	20	10	10	20	36				
7	10	20	5	10	37				
8	5	15	15	20	38				
9	10	5	5	15	39				
10	10	15	10	10	40				
11	20	25	20	10	41				
12	10	15	20	10	42				
13	20	15	10	15	43				
14	15	5	5	5	44				
15	10	5	5	5	45				
16	5	15	10	10	46				
17	10	10	15	20	47				
18	10	10	15	5	48				
19	10	10	5	15	49				
20	20	15	20	20	50				
21	15	20	20	15	51				
22	20	10	10	15	52				
23	10	25	20	10	53				
24	10	10	10	5	54				
25	15	10	15	10	55				
26	10	5	5	10	56				
27	10	15	15	15	57				
28	10	10	10	10	58				
29	10	5	5	5	59				
30	5	10	5	5	60				

Source Layout Sketch



Range of Opacity Readings	Maximum	20 %
	Minimum	0 %
Number of Readings Above 20 %		
Average Opacity for ___ Readings =		%

Observer's Name (print) CONNIE CHANEY

Organization: SMOKE SCHOOL INC.

Certified By: CARB — Date 6.24.13

Observer's signature — Date 10.10.13

Comments

RP 1/94

VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION

Company Name: OMAK WOOD PRODUCTS

Address: 1100 E. 8TH AVE. OMAK, WA 98841

Phone #: 509.322.9348

Source Description: BOILER — I.D. #: 1

Operating Mode / Output Rate: RUNNING

Control Equipment: WET SCRUBBER — Operating Mode:

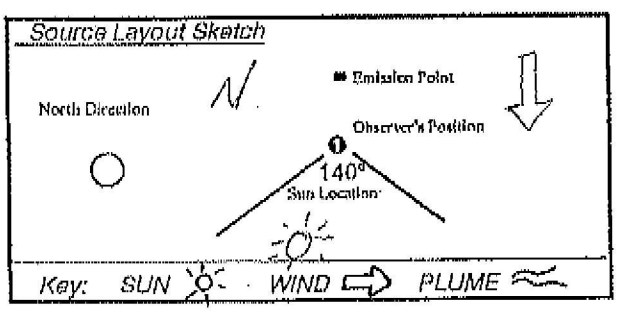
PLUME INFORMATION	@ START	@ END
Emission Point Description	STACK	STACK
Height Above Ground	180	
Height Relative to Observer	155	
Distance from Observer	255 yds	
Direction from Observer	N.E.	
Plume Type : Continuous	✓	
: Intermittent		
: Fugitive		
Plume Color	WHITE	
Water Droplets Present?	NO	
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed	END	
Description of Background	CONVEYOR	
Color of Background	TAN/GRN	
Condition of Sky	CLEAR	
Wind Speed (MPH)	14	17
Wind Direction (from)	N	NNE
Ambient Temperature (°F)	60°	61°
Relative Humidity	37%	32%

OBSERVATION RECORD

DATE 10/4/13 | TIME Start 2:01 PM | End 2:47 PM

Min	Seconds 0	15	30	45	Min	Seconds 0	15	30	45
1	90	75	85	95	31				
2	80	75	95	100	32				
3	95	100	100	90	33				
4	45	75	85	100	34				
5	80	95	90	100	35				
6	100	100	100	95	36				
7	85	90	100	100	37				
8	100	75	85	100	38				
9	100	100	100	80	39				
10	100	85	75	95	40				
11	80	100	70	95	41				
12	100	100	70	75	42				
13	90	70	65	85	43				
14	95	75	100	70	44				
15	65	100	90	70	45				
16	90	70	50	65	46				
17	50	75	95	70	47				
18	95	100	100	100	48				
19	100	100	100	90	49				
20	60	90	100	100	50				
21	100	100	90	100	51				
22	100	100	90	100	52				
23	95	100	100	100	53				
24	100	100	100	100	54				
25	90	100	100	95	55				
26	90	90	80	95	56				
27	90	100	100	100	57				
28	100	100	100	100	58				
29	90	90	100	100	59				
30	95	100	100	90	60				

Source Layout Sketch



Range of Opacity Readings	Maximum	20 %
	Minimum	0 %
Number of Readings Above 20 %		100%
Average Opacity for ___ Readings =		%

Observer's Name (print): CONNIE CHANEY

Organization: SMOKE SCHOOL INC

Certified By: CARB — Date 0 24 13

Observer's signature — Date 10/4/13

Comments: TRANSMITTER IS BAD, WAITING ON PARTS TO GET BACK ON LINE

RP 1/94

VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION

Company Name: ONIAK WOOD PRODUCTS

Address: 1100 E. 8TH AVE. ONIAK, WA 98841

Phone #: 509.322.7349

Source Description: BOILERS — I.D. #: 1

Operating Mode / Output Rate: RUNNING

Control Equipment: WET SCRUBBERS — Operating Mode:

PLUME INFORMATION	@ START	@ END
Emission Point Description	STACK	
Height Above Ground	45'	
Height Relative to Observer	18'	
Distance from Observer	400 yds	
Direction from Observer	N.E.	
Plume Type : Continuous	✓	
: Intermittent		
: Fugitive		
Plume Color	WHITE	
Water Droplets Present?		
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed	END	
Description of Background	POWER HOUSE	
Color of Background	GREEN/GRAY	
Condition of Sky	CLEAR	
Wind Speed (MPH)	5	7
Wind Direction (from)	SSE	S
Ambient Temperature (°F)	49°	57°
Relative Humidity	54%	42%

OBSERVATION RECORD

DATE 10.15.13 | TIME Start 1:27 PM | End 2:28 PM

Min	Seconds 0	15	30	45
1	90	75	75	85
2	85	90	90	95
3	95	100	90	80
4	85	90	95	100
5	100	90	80	75
6	90	95	95	100
7	80	85	100	90
8	80	80	100	100
9	100	100	100	95
10	90	90	100	100
11	90	90	90	95
12	85	90	100	100
13	95	100	100	100
14	100	75	45	50
15	35	60	95	90
16	45	50	100	45
17	100	100	100	100
18	100	100	100	100
19	100	45	30	25
20	45	65	100	100
21	100	100	100	100
22	100	100	100	100
23	100	85	95	100
24	100	100	75	100
25	100	100	100	100
26	90	75	100	100
27	95	100	100	100
28	100	100	100	100
29	90	95	90	95
30	90	100	100	100

Min	Seconds 0	15	30	45
31				
32				
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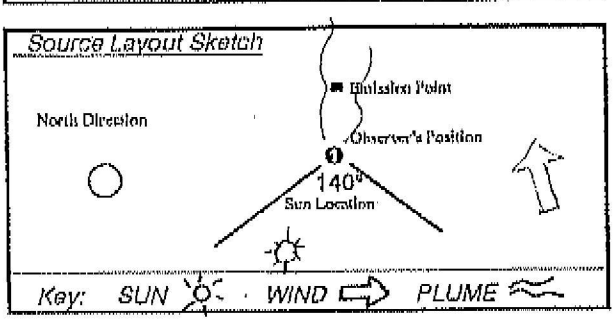
Source Layout Sketch



Range of Opacity Readings	Maximum	20 %
	Minimum	0 %
Number of Readings Above 20 %		100%
Average Opacity for ___ Readings =		%

Comments: TROUBLE WITH INSTRUMENTATION @ POWER HOUSE

Observer's Name (print): CONNIE CHANEY

Organization: SMOKE SCHOOL INC.

Certified By: CARB — Date 9.24.15

Observer's signature — Date 10.15.13

RP 1/94

VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION	
Company Name	OMAK WOOD PRODUCTS LLC
Address	1100 E. 8TH AVE OMAK, WA 98841
Phone #	509.322.7348
Source Description	BOILER
I.D. #	1
Operating Mode / Output Rate	RUNNING
Control Equipment	WET SCRUBBERS
Operating Mode	

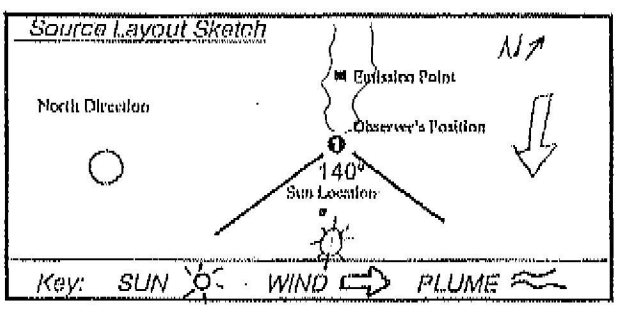
PLUME INFORMATION	@ START	@ END
Emission Point Description	STACK	
Height Above Ground	180	
Height Relative to Observer	155	
Distance from Observer	500 yds.	
Direction from Observer	NW	
Plume Type : Continuous	✓	
: Intermittent		
: Fugitive		
Plume Color	WHITE	
Water Droplets Present?	NO	
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed		
Description of Background	MTN. SKY	
Color of Background	BRN-BLUE	
Condition of Sky	CLEAR	CLEAR
Wind Speed (MPH)	8	15
Wind Direction (from)	N	N
Ambient Temperature (°F)	49°	54°
Relative Humidity	69%	68%

OBSERVATION RECORD

DATE 10.16.13 | TIME Start 9:52 AM | End 10:40 AM

Min	Seconds 0	15	30	45	Min	Seconds 0	15	30	45
1	80	90	85	80	31				
2	90	95	95	80	32				
3	80	95	70	75	33				
4	70	90	90	95	34				
5	100	90	90	95	35				
6	90	95	95	100	36				
7	95	95	85	100	37				
8	90	90	95	95	38				
9	80	85	80	95	39				
10	95	90	95	95	40				
11	100	85	100	90	41				
12	100	100	100	100	42				
13	100	100	100	100	43				
14	90	90	95	100	44				
15	100	100	100	95	45				
16	90	95	100	100	46				
17	100	100	100	90	47				
18	95	90	90	95	48				
19	95	100	100	100	49				
20	100	100	100	100	50				
21	100	90	100	90	51				
22	95	95	90	95	52				
23	95	100	100	100	53				
24	85	90	85	95	54				
25	100	75	95	95	55				
26	90	95	100	100	56				
27	100	100	100	90	57				
28	90	95	75	80	58				
29	85	90	95	95	59				
30	85	95	70	70	60				

Source Layout Sketch



Key: SUN WIND PLUME

Range of Opacity Readings	Maximum	20 %
	Minimum	0 %
Number of Readings Above 20 %		100%
Average Opacity for ___ Readings =		%

Observer's Name (print) CONNIE CHANEY

Organization: SMOKE SCHOOL INC.

Certified By: CARB — Date 9.24.13

Observer's signature — Date 10.16.13

Comments

RP 1/94

VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION

Company Name: OMAK WOOD PRODUCTS

Address: 1100 E CHY AVE
OMAK, WA 98841

Phone #: 509-322-7348

Source Description: BOILER

I.D. #: 1

Operating Mode / Output Rate:

Control Equipment: WET SCRUBBER

Operating Mode:

PLUME INFORMATION	@ START	@ END
Emission Point Description	STACK	
Height Above Ground	180	
Height Relative to Observer	65	
Distance from Observer	225yds	
Direction from Observer	NE	
Plume Type : Continuous	✓	
: Intermittent		
: Fugitive		
Plume Color	WHITE	
Water Droplets Present?	NO	
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed	END	
Description of Background	P.HOLE	
Color of Background	GRAY	
Condition of Sky	CLEAR	
Wind Speed (MPH)	16	16
Wind Direction (from)	N	N
Ambient Temperature (°F)	55°	53°
Relative Humidity	27%	31%

OBSERVATION RECORD

DATE 10-28-13 | TIME Start 3:10 PM | End 3:45 PM

Min	Seconds 0	15	30	45
1	35	20	20	15
2	15	20	10	10
3	5	5	5	10
4	5	10	10	15
5	20	25	40	45
6	35	50	45	20
7	10	15	15	10
8	10	15	10	10
9	15	20	10	10
10	20	15	15	15
11	10	20	20	10
12	10	10	15	10
13	20	25	25	30
14	20	20	15	5
15	10	5	15	20
16	15	15	10	10
17	10	10	10	15
18	5	5	10	5
19	5	10	15	10
20	15	10	10	15
21	10	10	5	5
22	5	5	10	10
23	5	10	10	10
24	15	10	10	5
25	15	15	10	10
26	10	10	10	15
27	15	10	15	10
28	10	5	10	10
29	15	10	10	5
30	5	10	15	20

Min	Seconds 0	15	30	45
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42				
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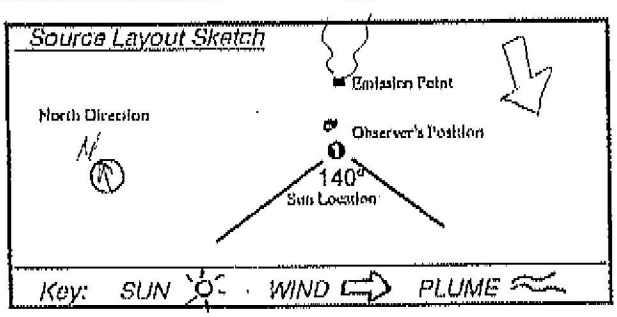
59				
60				

Source Layout Sketch



Range of Opacity Readings	Maximum	20%
	Minimum	5%
Number of Readings Above ____ %		
Average Opacity for ____ Readings =		%

Observer's Name (print): COURTNEY CHANEY

Organization: SMOKE SCHOOL INC.

Certified By: CARB — Date 9-24-13

Observer's signature — Date 10-28-13

Comments:

RP 1/94

VISIBLE EMISSION OBSERVATION FORM

SOURCE INFORMATION

Company Name: OAKWOOD PRODUCTS

Address: 1100 E 9th AVE, ONTARIO, CA 91761

Phone #: 909 322 7348

Source Description: BOILER — I.D. #: 1

Operating Mode / Output Rate: RUNNING 25000

Control Equipment: WET SCRUBBERS — Operating Mode:

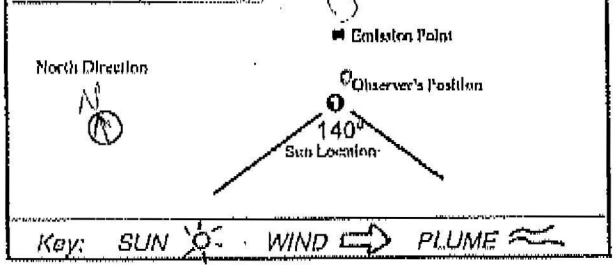
PLUME INFORMATION	@ START	@ END
Emission Point Description	STACK	
Height Above Ground	180	
Height Relative to Observer	155	
Distance from Observer	250 yds	
Direction from Observer	NW	
Plume Type : Continuous	✓	
: Intermittent		
: Fugitive		
Plume Color	WHITE	
Water Droplets Present?	NO	
: Attached Plume?	✓	
: Detached Plume?		
Point in the Plume at which Opacity was Observed	END	
Description of Background	P. HOUSE	
Color of Background	GRAY	
Condition of Sky	CLEAR	
Wind Speed (MPH)	3	
Wind Direction (from)		
Ambient Temperature (°F)	61°	
Relative Humidity	30%	

OBSERVATION RECORD

DATE 10/29/13 | TIME Start 2:20PM | End 2:48PM

Min	Seconds 0	15	30	45	Min	Seconds 0	15	30	45
1	10	15	10	20	31				
2	25	30	15	20	32				
3	25	15	10	10	33				
4	5	5	5	10	34				
5	15	10	10	15	35				
6	10	15	10	10	36				
7	10	10	10	15	37				
8	5	5	5	5	38				
9	5	10	10	15	39				
10	15	10	10	10	40				
11	5	5	10	5	41				
12	10	10	5	5	42				
13	5	10	25	20	43				
14	20	15	25	10	44				
15	15	20	20	15	45				
16	90	100	100	90	46				
17	75	15	10	10	47				
18	35	15	100	100	48				
19	100	100	100	15	49				
20	50	85	75	90	50				
21	70	45	10	10	51				
22	5	5	10	10	52				
23	5	5	10	45	53				
24	45	90	75	100	54				
25	100	100	85	85	55				
26	95	40	15	15	56				
27	15	10	10	5	57				
28	5	5	10	5	58				
29	5	5	5	10	59				
30	10	5	5	10	60				

Source Layout Sketch



Comments: TROUBLE WITH THE FEEDER DUMPING TOO MUCH AT ONCE

Range of Opacity Readings		
	Maximum	20 %
	Minimum	5 %
Number of Readings Above ____ %		
Average Opacity for ____ Readings =		%

Observer's Name (print): CONNIE CHANEY

Organization: SMOKE SCHOOL INC.

Certified By: CARB — Date 9/2012

Observer's signature — Date 10/29/13

RP 1/94