Koppers Inc

General Information

ID	Branch	SIC	County	Basin	Start	End
876	Energy and Transportation	2491	Grenada	Yazoo River	11/09/1981	

Address

Physical Address (Primary)	Mailing Address
1 Koppers Drive Tie Plant, MS 38960	PO Box 160 Tie Plant, MS 38960

Telecommunications

Type	Address or Phone
Work phone number	(662) 226-4584, Ext. 11

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
2804300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
096000012	Koppers Industries, Inc.	Air-Title V Fee Customer	03/11/1997	
096000012	Koppers Industries, Inc.	Air-Title V Operating	03/11/1997	03/01/2002
096000012	Koppers Industries, Inc.	Air-Title V Operating	01/13/2004	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	08/27/1999	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	09/30/2009
876	Koppers Industries, Inc.	Historic Site Name	11/09/1981	12/11/2006
876	Koppers, Inc.	Official Site Name	12/11/2006	
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995	11/13/2000
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	09/18/2001	08/31/2006
MSU081080	Koppers Industries, Inc.	Water-SOP	11/09/1981	11/30/1985

Regulatory Programs

Program	SubProgram	Start Date	End Date
Air	Title V - major	06/01/1900	
Hazardous Waste	Large Quantity Generator	08/27/1999	
Hazardous Waste	TSD - Not Classified	06/28/1988	
Water	Baseline Stormwater	01/01/1900	
Water	PT CIU	11/14/1995	
	PT CIU - Timber Products		

Water	Processing (Subpart 429)	11/14/1995	
Water	PT SIU	11/14/1995	

Locational Data

Latitude	Longitude	Metadata	S / T / R	Map Links
33 ° 44 ' 3 .00 (033.734167)	89 ° 47 ' 8 .06 (089.785572)	**Point Desc:** PG- Plant Entrance (General). Data collected by Mike Hardy on 11/8/2005. Elevation 223 feet. Just inside entrance gate. **Method:** GPS Code (Psuedo Range) Standard Position (SA Off) **Datum:** NAD83 **Type:** MDEQ	Section: Township: Range:	SWIMS TerraServer Map It

12/20/2006 12:16:40 PM

Koppers Industries Inc

General Information

ID	Branch	SIC	County	Basin	Start	End
876	Energy and Transportation	2491	Grenada	Yazoo River	11/09/1981	

Address

Physical Address (Primary)	Mailing Address
1 Koppers Drive Tie Plant, MS 38960	PO Box 160 Tie Plant, MS 38960

Telecommunications

Type	Address or Phone
Work phone number	(662) 226-4584, Ext. 11

Alternate / Historic AI Identifiers

Alt ID	Alt Name	Alt Type	Start Date	End Date
04300012	Koppers Industries, Inc.	Air-AIRS AFS	10/12/2000	
096000012	Koppers Industries, Inc.	Air-Title V Operating	03/11/1997	03/01/2002
096000012	Koppers Industries, Inc.	Air-Title V Operating	01/13/2004	01/01/2009
MSR220005	Koppers Industries, Inc.	GP-Wood Treating	09/25/1992	
MSD007027543	Koppers Industries, Inc.	Hazardous Waste-EPA ID	10/12/2000	
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	06/28/1988	06/28/1998
HW8854301	Koppers Industries, Inc.	Hazardous Waste-TSD	11/10/1999	09/30/2009
876	Koppers Industries, Inc.	Official Site Name	11/09/1981	
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	11/14/1995	11/13/2000
MSP090300	Koppers Industries, Inc.	Water-Pretreatment	09/18/2001	08/31/2006
MSU081080	Koppers Industries, Inc.	Water-SOP	11/09/1981	11/30/1985

Regulatory Programs

Program	SubProgram	Start Date	End Date
Air	Title V - major	06/01/1900	
Hazardous Waste	TSD - Not Classified	06/28/1988	
Water	Baseline Stormwater	01/01/1900	
Water	PT CIU	11/14/1995	
Water	PT CIU - Timber Products Processing (Subpart 429)	11/14/1995	

Water	PT SIU	11/14/1995	

Locational Data

Latitude	Longitude	Metadata	S / T / R	Map Links

Report Date: 10/24/2005 3:06:45 PM

Kevin B. Coker
SH&E Superviosor

KOPPERS

RECEIVED
JAN 3 2007
Dept of Environmental Quality
Office of Pollution Control

Koppers Inc.
Utility Poles and Piling
P.O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584 X38
Fax 662 226 4588
CokerKB@koppers.com
www.koppers.com

December 28, 2006

Mr. Azzam Abu-Mirshid, P.E.
Mississippi Department of Environmental Quality
Timber and Wood Branch
Office of Pollution Control
P.O. Box 10385
Jackson, MS 39289-0385

CERTIFIED MAIL: 7002 0460 0003 7596 2175

Subject: Bi-Annual Stack Test (Test Results)
Title V Operating Permit #0960-00012
Koppers Inc. – Tie Plant, Mississippi

Dear Mr. Abu-Mirshid:

Enclosed are the Particulate and Visible Emissions Test results performed on Emission Point AA-001 at the Koppers Inc. facility located in Tie Plant, MS. Environmental Monitoring Laboratories, Inc. performed the test.

The average heat input for the duration of the stack test was 34.18 MM Btu/hr. This value is conservative compared to the voluntary operating restriction of 26 MM Btu/hr or less imposed by the facility in December 2004.

The calculated wood fuel feed rate is approximately 6,900 lbs/hr. This calculation was computed based on the average heat input during the test (34.18 MM Btu/hr) and the fuel specific heat value of 4,954 BTU / pound of wood fuel. The said specific heat value was derived from prior analysis of the plant's wood fuel.

If you have any questions please contact me on my cell at (662) 417 – 43081

Sincerely,

Kevin B. Coker
SH&E Supervisor

Enclosure

CC: Mrs. Leslie Hyde, Koppers Inc.

RECEIVED
JAN 17 2007

PARTICULATE AND VISIBLE EMISSIONS TEST
WOOD WASTE BOILER

Azzam
Grenada Co.

KOPPERS INDUSTRIES

Air
FACILITY NO. 0960-00012

Grenada, Mississippi
November 14, 2006

Koppers Industries
P.O. Box 160
Tie Plant, MS 38960

Performed by:

ENVIRONMENTAL MONITORING LABORATORIES, INC.

624 Ridgewood Road
P.O. Box 655
Ridgeland, Mississippi 39158

Phone: (601)856-3092

Fax: (601)853-2151

REPORT OF PARTICULATE AND VISIBLE EMISSIONS TESTING FOR KOPPERS INDUSTRIES GRENADA PLANT WOOD WASTE BOILER

Grenada, Mississippi
November 14, 2006

FACILITY NO. 0960-00012

EMISSION POINT NO. AA-001

Koppers Industries
P.O. Box 160
Tie Plant, MS 38960

Contact: Kevin Coker
Phone: 662/226-4584

Prepared By:
Environmental Monitoring Laboratories
Ridgeland, Mississippi

601/856-3092

ENVIRONMENTAL MONITORING LABORATORIES, INC.

P.O. Box 655 ● 624 Ridgewood Road
Ridgeland, Mississippi 39158

phone 601 856-3092
fax 601 853-2151

December 27, 2006

Subject: Koppers Industries - Grenada, Mississippi
Wood Waste Boiler - Stack Emissions Test
Facility No. 0960-00012

On November 14, 2006, Environmental Monitoring Laboratories performed air emissions testing for Koppers Industries in the Tie Plant community near Grenada, Mississippi. Testing was done to measure particulate and visible emissions from the wood waste boiler in accordance with requirements of the Mississippi Department of Environmental Quality.

Results of emissions testing are shown below.

PARTICULATE EMISSIONS			VISIBLE EMISSIONS
#/hr	gr/dscf	#/MM Btu	Highest Six Minute Average (SMA), % opacity
21.04	0.106	0.615	7.08

Mr. Kevin Coker of Koppers coordinated the testing project. Otis Rayburn of Environmental Monitoring Laboratories was responsible for collection and deliver of particulate samples.

Following is a report of the test.

REPORT OF PARTICULATE EMISSIONS TEST
FOR KOPPERS INDUSTRIES, INC.
GRENADA PLANT
WOOD WASTE BOILER

Grenada, Mississippi
November 14, 2006

CONTENTS

REPORT CERTIFICATION

I certify that I have examined the information submitted herein, and based upon inquires of those responsible for obtaining the data or upon my direct acquisition of data, I believe the submitted information is true, accurate and complete.

Signed Daniel G. Russell

Daniel G. Russell

1.0 TEST RESULTS:

The following table is a summary of test results for air emissions testing done on November 14, 2006, for the Wellons wood fired boiler (EP AA-001) at Koppers Industries in Grenada, Mississippi.

Run No. / Date / Time Start / Time End		1	2	3	AVG.
Run No.		1	2	3	AVG.
Date		11/14/06	11/14/06	11/14/06	-------
Time Start		1222	1334	1445	-----
Time End		1323	1436	1546	-----
PARTICULATE EMISSIONS	#/hr	22.97	23.59	16.56	21.04
PARTICULATE EMISSIONS	gr/dscf	0.115	0.120	0.082	0.106
PARTICULATE EMISSIONS	#/MM Btu	0.640	0.704	0.500	0.615
VISIBLE EMISSIONS	high SMA, %	7.08	6.88	6.46	7.08
HEAT INPUT	MM Btu/hr	35.91	33.51	33.13	34.18
VOLUMETRIC FLOWRATE	acfm	34927	35645	36191	35588
VOLUMETRIC FLOWRATE	dscfm	23307	22839	23518	23221
VELOCITY	ft./sec.	89.7	91.5	92.9	91.4
STACK TEMPERATURE	°F	288	294	291	291
MOISTURE	%	4.6	7.7	6.8	6.4
SAMPLE RATE	% isokinetic	100	97	98	98

* The highest six minute average is reported here.

2.0 SOURCE DESCRIPTION:.

Koppers Industries, Inc. operates a 30,000 pound per hour Wellons wood waste boiler at their wood preserving facility in Grenada, Mississippi. The boiler provides steam for the timber treating cylinders and kilns. Fuel is wood waste generated from the manufacture of wood poles and cross ties.

Heat input as calculated from the test data and an F-Factor was an average 34.18 MM Btu/hr. The steam rate during testing is representative of the current maximum capacity of the plant to utilize steam. A co-generator has been removed from service. During testing, all equipment using steam was operating in a manner representative of maximum conditions and where possible, steam was vented to simulate more than maximum steam usage.

The boiler exhausts to the atmosphere by way of a 34.5 inch diameter vertical stack. Two sample ports at 90^{O} are provided at a location that is 432 inches (12.5 diameters) below the stack exit and 356 inches (10.3 diameters) above an upstream stack tapered section.

3.0 TEST PROCEDURES:

Test procedures used are those described in the Code of Federal Regulations, Title 40, Part 60, Appendix A. Specifically, Method 1 was used to determine the number of sample points and Method 5 to determine flow rates, moisture content, and particulate emissions. The sampling train was identical to that described in Method 5 except that the cyclone was omitted. Visible emissions were read in accordance with Method 9 concurrently with the emissions test. The visible emissions reader's certification is provided in Appendix C.

Heat input to the boilers was determined by continuously monitoring oxygen content of the flue gas as described in Method 3A and calculating heat input using an F-factor of 10029 scf per million Btu of heat input for the wood waste fuel. (From historical fuel analysis)

Filters were recovered by rinsing the front half of the filter holder into the probe wash and securing the filters in glass petri dishes. Part of the sample filter often adheres to the filter gasket, and some of the adhering material is recovered into the probe wash. Therefore some of the filter weight is attributed to the probe wash weight.

Filters were heated in an oven for 2 hours at 105^{O} C, desiccated at least 24 hours and weighed to constant weight. Probe wash samples in acetone were evaporated to dryness over low heat in tared beakers, desiccated for at least 24 hours and weighed to constant weight. Weighings are made at 6 hour or greater intervals (samples stored in desiccator). Final weights were considered valid and were recorded if there was no more than 0.5 milligrams difference from the previous weighing.

4.0 DATA REDUCTION

Koppers - Grenada
Wellons Wood Waste Boiler
Particulate Emissions Test - November 14, 2006

Collected Test Data:

				RUN 1	RUN 2	RUN 3
	Date	:		11/14/06	11/14/06	11/14/06
	Time start	:		1222	1334	1445
	Time end	:		1323	1436	1546
1.	As	:	sq ft	6.4918	6.4918	6.4918
2.	Dn	:	in.	0.245	0.210	0.210
3.	Cp	:	dimensionless	0.84	0.84	0.84
4.	Theta	:	minutes	60.00	60.00	60.00
5.	Y	:	dimensionless	0.996	0.996	0.996
6.	Pbar	:	in. Hg	29.77	29.77	29.77
7.	Pg	:	in. H2O	-1.4	-1.4	-1.4
8.	Vm	:	cf (dry gas)	71.106	50.157	52.264
9.	sqr(ΔP),avg	:	in.H2O^.5	1.3374	1.3506	1.3766
10.	ΔH	:	in. H2O	6.8958	2.7208	2.6292
11.	ts	:	degrees F	288.25	294.33	290.50
12.	tm	:	degrees F	74.58	76.67	77.00
13.	Vlc	:	ml	73	87	80
14.	CO2	:	percent	5.27	5.05	4.87
15.	O2	:	percent	15.52	15.77	15.98
16.	F	:	dscf	10029	10029	10029
17.	M,PM	:	milligrams	527.5	384.4	272.8

Wellons Wood Waste Boiler

Particulate Emissions Test - November 14, 2006

Calculations:

				RUN 1	RUN 2	RUN 3	AVG.
1.	Pm	: in.Hg	(ΔH/13.6)+Pbar	30.2770	29.9701	29.9633	
2.	Ps	: in. Hg	(Pg/13.6)+Pbar	29.6671	29.6671	29.6671	
3.	An	: sq ft	((Dn/24)^2)(3.1416)	3.27E-04	2.41E-04	2.41E-04	
4.	Vmstd	: dscf	Vm Y(Pm/Pstd)(Tstd/Tm)	70.785	49.232	51.257	57.091
5.	Vwstd	: scf	(.04707cf/ml)(Vlc)	3.436	4.095	3.766	
6.	Bws	: dimensionless	Vwstd/(Vwstd+Vmstd)	0.0463	0.0768	0.0684	0.0638
7.	Md	: mol.wt. dry basis	.44 CO2+.32 O2+.28(CO+N2)	29.46	29.44	29.42	
8.	Ms	: mol.wt. wet basis	Md(1-Bws)+18 Bws	28.93	28.56	28.64	
9.	Vs	: ft/sec	Kp Cp (sqrΔP)sqr(Ts/(Ps Ms))	89.67	91.51	92.91	91.37
10.	Q	: cfm	Vs As(60 sec/min)	34927	35645	36191	35588
11.	Qstw	: scfm	Q(Ps/Pstd)(Tstd/Ts)	24438	24739	25246	24808
12.	Qstd	: dscfm	Qstw(1-Bws)	23307	22839	23518	23221
13.	Xsair	: percent	100[(O2-.5CO)/(.264 N2-(O2-.5CO))]	287.64	307.66	324.90	306.73
14.	HeatInput	: MM Btu/hr	60 Qstd/(F 20.9/(20.9 - O2))	35.91	33.51	33.13	34.18
15.	I	: percent	[(100 Ts)(.002669 Vlc+(Vm Pm/Tm)]/(60 theta Vs Ps An)	100.38	96.97	98.04	98.46

Particulate Emissions

16.	E,PM	: pounds/hr	(M,PM/Vmstd)(Qstd)(60)/(453590)	22.97	23.59	16.56	21.04
17.	C,PM	: grains/dscf	(M,PM/Vmstd)(.0154 grains/mg)	0.1148	0.1202	0.0820	0.1057
18.	C'PM	: grains/dscf @ 50% Xsair	C'PM/(1-((1.5 O2-.133 N2 - .75 CO)/21))	0.2918	0.3209	0.2277	0.2801
19.	E'PM	: pounds/MM Btu	E,PM/HeatInput	0.640	0.704	0.500	0.615

5.0 NOMENCLATURE

SYMBOL	UNITS	DESCRIPTION
An	ft^2	Nozzle cross sectional area
As	ft^2	Stack cross sectional area
Bws	dimensionless	Wet gas fraction
CO_2	percent	Carbon dioxide content by volume
CO	percent	Carbon monoxide content by volume
Cp	dimensionless	Pitot correction factor
C,X	as labeled	Concentration of pollutant X
DGF	dimensionless	Dry gas fraction
Dn	inches	Nozzle diameter
ΔH (delta H)	in. H_2O	Pressure drop across meter orifice
ΔP (delta P)	in. H_2O	Stack gas velocity pressure
E,X	#/hr	Emission rate of pollutant X
E'X	#/MM Btu	Emission rate of pollutant X
F	dscf	Volume of flue gas per MM Btu
I	percent	Nozzle velocity/stack gas velocity
Kp	consistent	Pitot tube constant
M,X	milligrams	Sample weight of pollutant X
Md	#/# mole	Dry molecular weight of stack gas
Ms	#/# mole	Wet molecular weight of stack gas
N2	percent	Nitrogen content by volume, dry basis
O_2	percent	Oxygen content by volume, dry basis
Pbar	in. Hg	Barometric pressure
Pg	in. Hg	Stack static pressure
Pm	in. Hg	Total pressure at meter (Pbar+(DH/13.6)
Ps	in. Hg	Total stack pressure (Pbar+(Pg/13.6))
Pstd	in. Hg	Standard barometric pressure = 29.92
Q	acfm	Volumetric flow rate at stack conditions
Qstd	dscfm	Volumetric flow rate at standard conditions, dry basis
Qstdw	scfm	Volumetric flow rate at standard conditions, wet basis
θ (theta)	minutes	Sample duration
tm	°F	Meter temperature (Tm denotes °R)
ts	°F	Stack temperature (Ts denotes °R)
Tstd	°R	Standard temperature = 528°R
Vlc	ml	volume of water collected
Vm	ft^3	Volume of dry gas sampled through meter
Vmstd	dscf	Sample volume at standard conditions
Vwstd	scf	Sample volume of water vapor
Y	dimensionless	Meter coefficient
Xsair	percent	Excess air

6.0 CALIBRATIONS:

Measurement devices used by Environmental Monitoring Laboratories and subject to changes in measurement precision are initially calibrated prior to use. Those instruments for which calibration factors are subject to change or for which calibration checks are required are calibrated following each field use or as otherwise directed and noted. Calibration procedures for specific equipment are as follows.

Dry Gas Meter:

Dry gas meters are periodically removed from the sampling consoles and cleaned and repaired (new gaskets etc. as required). Following the overhaul of a meter, the measuring precision is checked by the Bell Prover Method and adjusted when necessary to read to within 2% of 100% accuracy. This service is provided by Big Three Meter Company in Jackson, Mississippi. Overhaul service or any six month period is followed by a five point calibration described in APTD-0576 using either a wet test meter or calibrated dry gas meter (used exclusively for calibrations) as a standard reference. Following field use, gas meter calibration is checked by performing three calibration checks at intermediate orifice settings. If a meter coefficient obtained from pre-test and post-test checks differs by more than 5%, the coefficient (Y) giving the lower sample volume is used in the calculations.

Orifice:

The orifice coefficient is initially determined and is rechecked following a major gas meter repair and calibration. The calibration is included with the Dry Gas Meter Calibration

Nozzles:

Nozzles are checked before each field use with a precision (.001 in.) dial caliper. Three measurements on different axes are made; an average of those three readings is used in calculations. If the tolerance among measurements exceeds 0.004 inches (highest to lowest reading) the nozzle is repaired and recalibrated or discarded.

Pitot Tubes:

Pitot tubes meeting EPA geometry standards are assigned a coefficient of 0.84. Pitot tubes are visually inspected for damage before, during and after use. Those pitot tubes not meeting the geometry standards are assigned a coefficient from the manufacturer's calibration that it retains unless damaged. All pitot tubes used by Environmental Monitoring Laboratories are manufactured by NuTech, Inc.

Temperature Measuring Instruments:

All temperature measurements are made with type K thermocouples and digital thermocouple thermometers, which have an initial calibration traceable to NBS. Thermocouples are checked during a test series against an ASTM mercury in glass thermometer at ambient temperature. Continuity and proper thermocouple contact location are checked by challenging the thermocouple with a temperature change. (EMTIC GD-028 -- June 21, 1994)

Barometer:

Aneroid field barometers are checked against and adjusted to readings from a mercury barometer or readings obtained from local weather authorities.

Differential Pressure Gauges:

Velocity head (delta P) and orifice pressure differential (delta H) measurements are made using water manometers of the appropriate range unless otherwise noted in the test data. Manometers do not require calibration.

Analytical Balance:

The analytical balance used was initially calibrated by the manufacturer. Additionally, the balance is equipped with an automatic zero and calibration feature that is used daily or prior to each use. Prior to each use, or daily, a quality control check is made using Class A weights of 0.5000 grams and 100.0000 grams.

7.0 APPENDICES

A. *Field and Laboratory Data*

B. *Calibrations*

C. *O2 and CO2 Data Log*

D. *Visible Emissions Record and Reader Certification*

~~E. *Boiler Steam Chart (Koppers)*~~

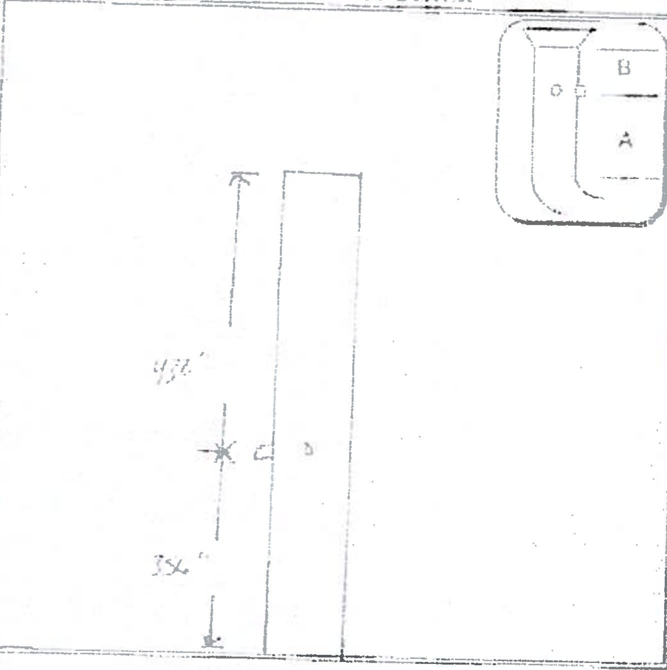
APPENDIX A

FIELD AND LABORATORY DATA

STACK CONFIGURATION AND SAMPLE POINT LAYOUT

PLANT: Koppers Tex, Pa Date: 11-19-94
SOURCE: Boiler
TEST FOR: Pm
TEST OPERATORS: RAYBURN

SKETCH OF STACK



PERCENT OF DIAMETER (for circular stacks)

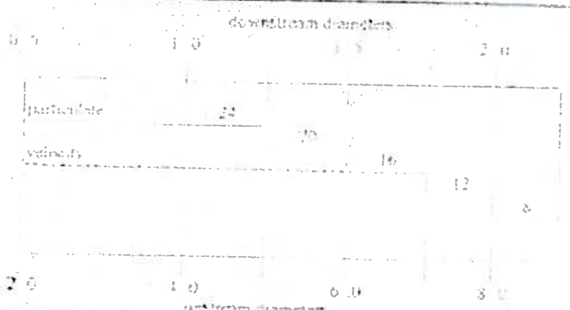
point no.	2	4	6	8	10	12	14	16
1	14.6	6.7	4.4	3.2	2.6	2.1	1.8	1.6
2	85.4	25.0	14.6	10.5	8.2	6.7	5.7	4.9
3		75.0	29.6	19.4	14.6	11.8	9.9	8.5
4		93.3	70.4	32.3	22.6	17.7	14.6	12.5
5			85.4	67.7	34.2	25.0	20.1	16.9
6			95.6	80.6	65.8	35.6	26.9	22.0
7				89.5	77.4	64.4	36.6	28.3
8				96.8	85.4	75.0	63.4	37.5
9					91.8	82.3	73.1	62.5
10					97.4	88.2	79.9	71.7
11						93.3	85.4	78.0
12						97.9	90.1	83.1
13							94.3	87.5
14							98.2	91.5
15								95.1
16								98.4

Point No.	inches from wall	velocity head
1	1.5	
2	5.5	
3	10.2	
4	27.3	
5	29.5	
6	32.6	

STACK DIAMETER: 37.5

Distance from ports to disturbance
A. to upstream disturbance 356
B. to downstream disturbance 43'
Upstream diameters: 76.3
Downstream diameters: 76.5
Minimum No. sample points required: 12
No. sample points selected: 6x2
Port Length: 8"(NE) + 7.5(SE)
Port Type: 4" port nipple
Port Access: platform

MINIMUM NO. OF POINTS ON A DIAMETER



Pitot ID.: 7' Pitot Cp: .84 Stack Temp: 280
Remarks:

Plant: Koppers

Source: Boiler

Test Fr...: PM10 LVE

Test Operators: VAYBURN/Walker

Tig, Ms

RUN NO. 1

Date: 11/14/06

1722 — 1232

	N14195
	Nw
	3.74
	.847
	.245
Filter No.	1534
	58
	29.22
	-1.40

	6X2
	5.0
	1.85
	25
	13
	370 / 270
	2.03 / 3.58

GAS ANALYSIS: Calc

	280
	245
	774
	66

1	∞	871.656	2.00	1.65	270	~~80~~ 77	~~255~~ 260	280	50	7
2	5	880.6	2.60	7.65	277	74	~~254~~ 73	254	50	5
3	10	886.1	1.90	7.30	255	74	~~254~~ 72	251	62	5
4	15	885.6	1.54	5.75	258	74	70	254	61	5
5	20	894.1	1.50	5.75	260	76	72	253	62	5
6	25	904.8	1.60	6.15	241	72	72	255	62	5
1	30/00	910.942	1.40	5.35	272	77	73	254	60	5
2	5	916.5	1.40	5.35	252	78	74	254	60	5
3	10	922.1	2.00	7.65	293	78	74	254	61	5
4	15	928.5	2.10	8.05	256	79	75	257	61	5
5	20	932.9	2.10	8.05	297	79	75	256	68	5
6	25	937.1	2.10	8.05	298	80	76	254	69	5
End	60/00	942.762								
		71.106	1.534	6.8958	288.25	74.58				

.010 .017 .007 10

✓ 3.3 ✓ 3.0

✓ ✓

Plant: Keppers

Source: Boiler

Test Operators: RAYBURN/WALKER

RUN NO. 2

Date: 11-14-06

N141:996

No.

8.14

.84

1530

682

3.0

1.85

.84

6

280

1.48

62

29.63

-1.40

CEM

280 / 272

854 / 867

1	000	943.34	1.80	2.65	2.64	77	76	251	66	3
2	5	947.3	1.80	2.65	2.54	76	75	244	61	3
3	10	951.3	1.70	2.80	2.58	76	75	251	62	3
4	15	956.2	1.90	2.80	2.44	77	75	255	63	3
5	20	960.3	1.70	2.50	2.75	77	75	255	63	3
6	25	964.7	1.70	2.50	2.46	78	78	251	63	3
1	30/00	968.89	1.70	2.90	2.47	78	76	251	64	3
2	5	973.3	1.90	2.90	2.48	78	77	246	64	3
3	10	976.6	1.90	2.80	2.48	78	77	251	64	3
4	15	981.4	1.90	2.90	2.48	78	72	261	64	3
5	20	~~984.5~~ 984.4	1.90	2.80	2.49	78	76	251	64	3
6	25	~~989.2~~ 989.5	1.80	2.65	2.49	78	74	252	64	3
End	60/00	993.458								

0.0052

42

Plant: Koppers [illegible]
Source: Boiler
Test For: PM/VE10
Test Operator: RAYBURN/WALKER

RUN NO. 3
Date: 11-14-06
Time: 1445 – 1546

Meter Box	N14:956
Sample Box	No.
Probe	3' Tu
	.84
Nozzle Dia.	.210
Filter No.	1135
Amb. Temp. °F	62
Bar. Press.	29.55
Static Press.	-1.40

	6x2
	5.0
ΔH@	1.85
	80
	16
Stack Temp.	255
	.131

GAS ANALYSIS: CEM

CONDENSATE
200 — 267
774 — 269

Trav. Point	Sample Time (min)	Gas Meter Reading	Velocity Head ΔP	Orifice ΔH	Stack Temp	Meter Temp In	Meter Temp Out	Probe Temp	Imp. Temp	
1	00	997.885	2.00	2.71	300	77	76	257	62	3
2	5	998.1	2.00	2.75	271	77	76	257	[illegible]	3
3	10	002.8	2.00	2.75	288	77	76	256	54	3
4	15	008.0	1.80	2.50	285	77	76	253	61	3
5	20	011.8	1.70	2.65	288	77	76	254	66	3
6	25	016.2	1.90	2.65	290	78	76	251	67	3
						78	76	253	67	3
1	30/00	021.346	1.80	2.65	294	79	76	251	70	3
2	5	026.1	1.70	2.35	290	79	76	256	70	3
3	10	029.8	1.55	2.55	290	77	76	250	70	3
4	15	034.2	1.90	2.65	295	77	76	251	70	3
5	20	038.4	1.90	2.65	295	78	76	253	67	3
6	25	042.0	1.90	2.65	296	78	76	256	67	3
END	60/00	046.149								

50.264 — 1.3764 — 2.6292 — 290.50 — 77.04

Leak Check: .050 — .097 — .067 — 12 — 4 — 1.0

PARTICULATE CATCH ANALYSIS

SAMPLER: Koppers

DATE TAKEN: 11-14-06 DATE ANALYZED: 11-16-06

DELIVERED BY: RECEIVED BY:

ANALYZED BY: BN

[illegible]

FILTERS

RUN NO.	1	2	3	
FILTER NO.	1834	1833	1835	
FILTER TARE, gms	.4006 0.8817 .8604	.3966 0.6941 .6887	.4021 0.6235 .6196	
FINAL WEIGHT, gms	.8604	.6887	.6198	
NET GAIN, gms	.4598	.2921	.2177	

PROBE WASH

RUN NO.	1	2	3	
CONTAINER ID	Bir 1 R1	Bir 1 R2	Bir 1 R3	
VOLUME [illegible]				
VOLUME, ml	105 35	100 101	100 33	
TARE WEIGHT, gms	116.0083 116.4757	117.4772 117.5686	117.5903 117.5552	
FINAL WEIGHT, gms	116.0760	117.5695	117.5554	
NET GAIN, gms	.0677	.0923	.0561	
LESS BLANK, gms				

PARTICULATE SAMPLE WEIGHT

RUN NO.	1	2	3	
Filter + probe, mg	527.5	384.4	272.8	

APPENDIX B

CALIBRATION DATA

DRY GAS METER CALIBRATION
By Critical Orifice

Meter ID	Nutech 1	**Date**	08/14/06
Orifice ID	1312	**By**	Walker
T, Amb	97	**Pbar**	29.88

Orifice			ΔH	VAC	Time	Meter						Vmstd	Vcrstd	Y	ΔH@
No.	K'	Q'	in.	in.	min.	Vi	Vf	Temp. in		Temp out					
		cfm	H_2O	Hg		ft^3	ft^3	init.	final	init.	final				
12	0.3169	0.42	0.50	21	13.00	471.837	477.338	100	99	100	100	5.182	5.169	0.997	1.667
17	0.4391	0.58	1.00	19	9.00	477.338	483.754	99	99	100	100	6.047	4.942	0.817	1.746
23	0.6091	0.80	2.10	17	6.00	483.754	487.765	99	99	100	99	3.782	4.544	1.202	1.924
26	0.6905	0.92	2.60	15	6.00	487.765	493.434	99	99	99	99	5.347	5.226	0.977	1.801
31	0.8293	1.10	3.90	13	5.00	493.434	499.034	99	99	99	99	5.282	5.207	0.986	1.883
														0.996	**1.80**

Calculations:

Vm =	[Vf-Vi]
~~Vmstd =~~	~~[(17.64)(Vm)(Pbar+ΔH/13.6)/Tm]~~
Vcrstd =	K'[(Pbar)(θ)/(T,amb)]
Y =	[(Vcrstd/Vmstd)]
Q =	[(Vm/θ)(Tm out/Tm)(Y)]
K =	[Q(sqrt((Pm Mm)/((Tm out)(ΔH))]
ΔH@ =	[0.921/K^2]

Where:

Pbar =	Barometric pressure; in. Hg
Tm =	Average Temp. at meter, ^oR
Pm =	Meter pressure, (Pbar + ΔH/13.6); in. Hg
Mm =	molecular weight of air (29)
Y =	Meter correction factor; dimensionless

DRY GAS METER CALIBRATION
By Critical Orifice

Meter ID	Nutech 1	**Date**	12/01/06
Orifice ID	1312	**By**	ONR
T, Amb	48	**Pbar**	30.03

Orifice			ΔH	VAC	Time	Meter									
No.	K'	Q' cfm	in. H_2O	in. Hg	min.	Vi ft^3	Vf ft^3	Temp. in init.	Temp. in final	Temp out init.	Temp out final	Vmstd	Vcrstd	Y	ΔH@
17	0.4391	0.58	1.00	19.0	9.00	367.844	372.971	51	52	51	52	5.312	5.445	1.025	1.582
23	0.6091	0.80	2.05	18.0	10.00	372.971	380.815	52	54	52	53	8.107	8.346	1.029	1.697
26	0.6905	0.92	2.60	17.0	6.00	380.815	386.307	54	55	53	53	5.665	5.758	1.016	1.624
														1.024	1.63

Calculations:

Vm = [Vf-Vi]

Vmstd = [(17.64)(Vm)(Pbar+ΔH/13.6)/Tm]

Vcrstd = K'[(Pbar)(θ)/(T,amb)]

Y = [(Vcrstd/Vmstd)]

Q = [(Vm/θ)(Tm out/Tm)(Y)]

K = [Q(sqrt((Pm Mm)/((Tm out)(ΔH))]

ΔH@ = [$0.921/K^2$]

Where:

- Pbar = Barometric pressure; in. Hg
- Tm = Average Temp. at meter, °R
- Pm = Meter pressure, (Pbar + ΔH/13.6); in. Hg
- Mm = molecular weight of air (29)
- Y = Meter correction factor; dimensionless

ANALYZER CALIBRATION RECORD

Plant	Koppers		
Source	Boiler	Ti.c, Ms	
Test For	CO_2		
Operators	RAYBURN / WALKER		
Run No.	1	2	3
Date	11-14-06	11-14-06	11-14-06
Time Start	1223	1334	1445
Time End	1323	1436	1547

Analyte / Analyzer ID / Span / DAQ Channel	Level	Cal Value	Cyl Ref	Diluted Y/N	Pre-Test Cal Reading	% Cal Error	Bias Reading	% Bias	Run No. 1 Bias Drift	% Bias	% Drift	Run No. 2 Bias/Drift	% Bias	% Drift	Run No. 3 Bias Drift	% Bias	% Drift
CO_2	Zero	0.0	N_2	N	0.0				0.0			0.0			0.0		
	Low	3.97	1	N	4.0				4.0			4.0			4.0		
0-25	Mid	7.90	2	N	7.9												
3	High																
O_2	Zero	0.0	N_2	N	0.0				0.0			0.0			0.0		
	Low	4.03	2	N	4.0												
0-25	Mid	8.1	1	N	8.1				8.1			8.1			8.1		
4	High	20.9	Air		20.9												
	Zero																
	Low																
	Mid																
	High																
	Zero																
	Low																
	Mid																
	High																
	Zero																
	Low																
	Mid																
	High																
	Zero																
	Low																
	Mid																
	High																

Cylinder Ref	Cylinder No.	Contents		Expiration Date
1	ALM057611	3.97% CO_2	8.10% O_2	3-28-09
2	AAL067897	7.90% CO_2	4.03% O_2	12-16-07

Notes:

Analysts signature [signature]

Method Specifications:

Methods 3A, 6C, 7E
Zero < 0.25 % of span
Mid – 40 to 60 % of span
High – 80 to 100 % of span

Method 10
Zero < 0.25% of span
Mid – 30% of span
High – 60% of span

Method 25A
Zero < 0.1 % of span
Low – 25 to 35 % of span
Mid – 45 to 60 % of span
High – 80 to 90 % of span

Error Specifications:

Calibration Error Allowable	< 2% of span	[(Cyl. Value - Reading) / span * 100%]
25A Calibration Error Allowable	< 5% Cyl. Value	[(Cyl. Value - Reading) / (Cyl. Value) * 100%]
System Bias	< 5% span (not for 20 & 25A)	[(System Cal - Reading) / span * 100]
Drift	< 3%	[(Initial System Cal - Final System Cal) / Span * 100%]
Method 20 Drift	< 2%	[(initial system cal - final system cal) / Span * 100%]

Scott Specialty Gases
9810 BAY AREA BLVD,PASADENA,TX 77507
Phone: 281-474-5800 Fax: 281-474-5857

RATA CLASS

Dual-Analyzed Calibration Standard

CERTIFICATE OF ACCURACY: EPA Protocol Gas

Assay Laboratory

SCOTT SPECIALTY GASES
9810 BAY AREA BLVD
PASADENA,TX 77507

P.O. No.: CC 111104 DR
Project No.: 04-30215-001

Customer

ENVIRONMENTAL MONITORING
DANNY RUSSELL
624 RIDGEWOOD RD EXTENDED
RIDGELAND MS 39158

ANALYTICAL INFORMATION

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: AAL067897 Certification Date: 10Dec2004 Exp. Date: 10Dec2007
Cylinder Pressure***: 1850 PSIG

COMPONENT	CERTIFIED CONCENTRATION (Moles)	ANALYTICAL ACCURACY**	TRACEABILITY
CARBON DIOXIDE	7.96 %	+/- 1%	Direct NIST and NMi
OXYGEN	4.03 %	+/- 1%	Direct NIST and NMi
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
** Analytical accuracy is based on the requirements of EPA Protocol Procedure G1, September 1997.
Product certified as +/- 1% analytical accuracy is directly traceable to NIST or NMI standards.

REFERENCE STANDARD

TYPE/SRM NO.	EXPIRATION DATE	CYLINDER NUMBER	CONCENTRATION	COMPONENT
NTRM 1675	04Jul2008	K000792	13.93 %	CARBON DIOXIDE
NTRM 2659	01Dec2005	ALM065389	20.92 %	OXYGEN

INSTRUMENTATION

INSTRUMENT/MODEL/SERIAL#	DATE LAST CALIBRATED	ANALYTICAL PRINCIPLE
MTI-A/M200/171109	07Dec2004	GAS CHROMATOGRAPHY
MTI-A/M200/171109	01Dec2004	GAS CHROMATOGRAPHY

ANALYZER READINGS

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis | Second Triad Analysis | Calibration Curve

CARBON DIOXIDE

Date: 10Dec2004	Response Unit:AREA	
Z1=7146.000	R1=49682.00	T1=28339.00
R2=49488.00	Z2=7169.000	T2=28312.00
Z3=7165.000	T3=28292.00	R3=49492.00
Avg. Concentration:	7.960 %	

Concentration = A+Bx+Cx2+Dx3+Ex4
r=0.99999686 1675
Constants: A=0.000282369
B=-0.02728827 C=
D= E=

OXYGEN

Date: 10Dec2004	Response Unit:AREA	
Z1=7340.000	R1=76930.00	T1=14805.00
R2=76681.00	Z2=7333.000	T2=14760.00
Z3=7316.000	T3=14785.00	R3=76667.00
Avg. Concentration:	4.030 %	

Concentration = A+Bx+Cx2+Dx3+Ex4
r=0.999997104 2659
Constants: A=0.000273558
B=-0.028539116 C=
D= E=

APPROVED BY: JULIE CAO SUPERVISOR: SUSAN BRANDON

Scott Specialty Gases

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RATA CLASS
Dual-Analyzed Calibration Standard

9810 BAY AREA BLVD, PASADENA, TX 77507 Phone: 281-474-5800 Fax: 281-474-5857

_CERTIFICATE_OF_ACCURACY:_EPA_Protocol_Gas__________

Assay_Laboratory

SCOTT SPECIALTY GASES
9810 BAY AREA BLVD
PASADENA, TX 77507

P.O. No.: CC 03/02/06 DR
Project No.: 04-43008-002

Customer_
ENVIRONMENTAL MONITORING

624 RIDGEWOOD RD EXTENDE
RIDGELAND MS 39158

_ANALYTICAL_INFORMATION____________

This certification was performed according to EPA Traceability Protocol For Assay & Certification of Gaseous Calibration Standards; Procedure G-1; September, 1997.

Cylinder Number: ALM057011 Certification Date: 28Mar2006 Exp. Date: 28Mar2009
Cylinder Pressure***: 2000 PSIG

COMPONENT___	CERTIFIED_CONCENTRATION_(Moles)	ANALYTICAL ACCURACY**_	TRACEABILITY__
CARBON DIOXIDE	3.97 %	+/- 1%	Direct NIST and NMi
OXYGEN	8.10 %	+/- 1%	Direct NIST and NMi
NITROGEN	BALANCE		

*** Do not use when cylinder pressure is below 150 psig.
**_Analytical_accuracy_is_based_on_the_requirements_of_EPA_Protocol_Procedure_G1,_September_1997.___________

REFERENCE_STANDARD_____

TYPE/SRM_NO._	EXPIRATION_DATE	CYLINDER_NUMBER__	CONCENTRATION____	COMPONENT____
NTRM 1675	04Jul2008	K011090	13.93	CARBON DIOXIDE
NTRM 2658	02Oct2006	ALM065163	9.930	OXYGEN

INSTRUMENTATION____

INSTRUMENT/MODEL/SERIAL#_____	DATE_LAST_CALIBRATED____	ANALYTICAL_PRINCIPLE___
MTIA/M200/171109	21Mar2006	GAS CHROMATOGRAPHY
SERVOMEX/MODEL 244A/701/716	06Mar2006	PARAMAGNETIC

_ANALYZER_READINGS_______________

(Z=Zero Gas R=Reference Gas T=Test Gas r=Correlation Coefficient)

First Triad Analysis Second Triad Analysis Calibration Curve

CARBON DIOXIDE
Date: 27Mar2006
Z1=0.000001=90301.001=25881.00
R2=89885.00=0.00000T2=25806.00
Z3=0.000003=25784.003=89824.00
Avg. Conc: 3.973 %

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.9999807
Constants: A=-0.05924712
B=0.000158392 C=
D= E=

OXYGEN
Date: 28Mar2006Resp Unit:VOLTS
Z1=0.000001=0.99450T1=0.80880
R2=0.994700=0.00000T2=0.80880
Z3=0.000003=0.80880R3=0.99490
~~Avg. Conc: 8.098 %~~

Concentration=A+Bx+Cx2+Dx3+Ex4
r=0.9999881
Constants: A=0.02009511
B=10.00207516 C=
D= E=

APPROVED BY: (signature on file)
DAVID KELLY

APPENDIX C

O2 DATA LOG

TIME	% CO2	% O2
11/14/06 9:51	-0.1	14.9
11/14/06 9:51	-0.1	14.6
11/14/06 9:51	0.0	14.6
11/14/06 9:51	0.0	14.6
11/14/06 9:52	0.0	14.6
11/14/06 9:52	0.0	14.5
11/14/06 9:52	0.0	14.5
11/14/06 9:52	0.0	14.6
11/14/06 9:53	0.0	14.4
11/14/06 9:53	0.0	13.3
11/14/06 9:53	0.0	14.4
11/14/06 9:53	0.0	14.6
11/14/06 9:54	0.0	14.6
11/14/06 9:54	0.0	14.6
11/14/06 9:54	0.0	10.9
11/14/06 9:54	0.0	2.2
11/14/06 9:55	0.0	0.3
11/14/06 9:55	0.0	0.1
11/14/06 9:55	0.0	0.1
11/14/06 9:55	0.0	0.0
11/14/06 9:56	0.0	0.0
11/14/06 9:56	0.0	0.0
11/14/06 9:56	0.0	0.0
11/14/06 9:56	0.0	0.0
11/14/06 9:57	0.0	0.0
11/14/06 9:57	0.1	1.9
11/14/06 9:57	2.3	8.3
11/14/06 9:57	6.0	6.8
11/14/06 9:58	7.5	4.6
11/14/06 9:58	7.8	4.1
11/14/06 9:58	7.9	4.0
11/14/06 9:58	7.9	4.0
11/14/06 9:59	7.9	4.0
11/14/06 9:59	7.9	4.0
11/14/06 9:59	7.9	4.0
11/14/06 9:59	7.9	4.0
11/14/06 10:00	7.9	4.0
11/14/06 10:00	7.9	4.0
11/14/06 10:00	7.9	4.0
11/14/06 10:00	7.8	4.1
11/14/06 10:01	6.1	6.8
11/14/06 10:01	4.5	8.3
11/14/06 10:01	4.2	8.1
11/14/06 10:01	4.2	8.1
11/14/06 10:02	4.1	8.1
11/14/06 10:02	4.0	8.1
11/14/06 10:02	4.0	8.1
11/14/06 10:02	4.0	8.1
11/14/06 10:03	4.0	8.1
11/14/06 10:03	4.0	8.1
11/14/06 10:03	4.0	8.1
11/14/06 10:03	3.2	10.2
11/14/06 10:04	0.9	17.4
11/14/06 10:04	0.2	20.3
11/14/06 10:04	0.1	20.8
11/14/06 10:04	0.1	20.9
11/14/06 10:05	0.1	20.9
11/14/06 10:05	0.1	20.9
11/14/06 10:05	0.1	20.9
11/14/06 10:05	0.1	20.9
11/14/06 10:06	0.3	20.8
11/14/06 10:06	1.4	19.6
11/14/06 10:06	2.0	19.0
11/14/06 10:06	2.1	18.9
11/14/06 10:07	2.1	18.9
11/14/06 10:07	2.0	19.0
11/14/06 10:07	2.0	19.0
11/14/06 10:07	2.0	19.0
11/14/06 10:08	2.0	19.0
11/14/06 10:08	2.0	19.0
11/14/06 10:08	2.0	19.0
11/14/06 10:08	1.9	19.1
11/14/06 10:09	1.9	19.1
11/14/06 10:09	1.9	19.1
11/14/06 10:09	1.9	19.0
11/14/06 10:09	1.9	19.0
11/14/06 10:10	2.0	19.0
11/14/06 10:10	2.0	18.9
11/14/06 10:10	2.1	18.9
11/14/06 10:10	2.1	18.9
11/14/06 12:19	4.5	16.4
11/14/06 12:19	4.5	16.4
11/14/06 12:19	4.4	16.5
11/14/06 12:20	4.3	16.6
11/14/06 12:20	4.4	16.5
11/14/06 12:20	4.5	16.3
11/14/06 12:20	4.5	16.4
11/14/06 12:21	4.5	16.4
11/14/06 12:21	4.5	16.4
11/14/06 12:21	4.4	16.4
11/14/06 12:21	4.4	16.5
11/14/06 12:22	4.3	16.5

11/14/06 12:22	4.4	16.5
START R	% CO2	% O2
11/14/06 12:22	4.5	16.4
11/14/06 12:22	4.5	16.4
11/14/06 12:23	4.4	16.5
11/14/06 12:23	4.5	16.4
11/14/06 12:23	4.5	16.3
11/14/06 12:23	4.5	16.3
11/14/06 12:24	4.5	16.4
11/14/06 12:24	4.3	16.6
11/14/06 12:24	4.3	16.6
11/14/06 12:24	4.3	16.6
11/14/06 12:25	4.2	16.7
11/14/06 12:25	4.2	16.7
11/14/06 12:25	4.2	16.7
11/14/06 12:25	4.3	16.6
11/14/06 12:26	4.3	16.6
11/14/06 12:26	4.4	16.5
11/14/06 12:26	4.5	16.4
11/14/06 12:26	4.5	16.3
11/14/06 12:27	4.5	16.3
11/14/06 12:27	4.5	16.4
11/14/06 12:27	4.5	16.4
11/14/06 12:27	4.5	16.4
11/14/06 12:28	4.7	16.2
11/14/06 12:28	4.9	16.0
11/14/06 12:28	5.2	15.7
11/14/06 12:28	5.2	15.6
11/14/06 12:29	5.2	15.7
11/14/06 12:29	5.2	15.6
11/14/06 12:29	5.3	15.5
11/14/06 12:29	5.4	15.4
11/14/06 12:30	5.3	15.5
11/14/06 12:30	5.2	15.7
11/14/06 12:30	5.3	15.6
11/14/06 12:30	5.4	15.4
11/14/06 12:31	5.5	15.3
11/14/06 12:31	5.7	15.1
11/14/06 12:31	5.7	15.1
11/14/06 12:31	5.6	15.2
11/14/06 12:32	5.5	15.3
11/14/06 12:32	5.7	15.1
11/14/06 12:32	5.7	15.0
11/14/06 12:32	5.7	15.1
11/14/06 12:33	5.6	15.2
11/14/06 12:33	5.5	15.3
11/14/06 12:33	5.4	15.4
11/14/06 12:33	5.3	15.5
11/14/06 12:34	5.2	15.6
11/14/06 12:34	5.2	15.6
11/14/06 12:34	5.3	15.5
11/14/06 12:34	5.4	15.4
11/14/06 12:35	5.4	16.4
11/14/06 12:35	5.4	15.4
11/14/06 12:35	5.5	15.3
11/14/06 12:35	5.6	15.2
11/14/06 12:36	5.7	15.0
11/14/06 12:36	5.7	15.0
11/14/06 12:36	5.7	15.1
11/14/06 12:36	5.6	15.1
11/14/06 12:37	5.6	15.2
11/14/06 12:37	5.5	15.3
11/14/06 12:37	5.6	15.2
11/14/06 12:37	5.5	15.2
11/14/06 12:38	5.6	15.2
11/14/06 12:38	5.6	15.2
11/14/06 12:38	5.6	15.2
11/14/06 12:38	5.7	15.0
11/14/06 12:39	5.7	15.0
11/14/06 12:39	5.6	15.1
11/14/06 12:39	5.5	15.2
11/14/06 12:39	5.6	15.2
11/14/06 12:40	5.6	15.1
11/14/06 12:40	5.5	15.3
11/14/06 12:40	5.5	15.3
11/14/06 12:40	5.6	15.2
11/14/06 12:41	5.4	15.4
11/14/06 12:41	5.4	15.4
11/14/06 12:41	5.4	15.3
11/14/06 12:41	5.3	15.4
11/14/06 12:42	5.3	15.5
11/14/06 12:42	5.2	15.6
11/14/06 12:42	5.2	15.6
11/14/06 12:42	5.3	15.5
11/14/06 12:43	5.4	15.4
11/14/06 12:43	4.9	15.9
11/14/06 12:43	5.3	15.5
11/14/06 12:43	5.3	15.5
11/14/06 12:44	5.2	15.6
11/14/06 12:44	5.2	15.6
11/14/06 12:44	5.3	15.5
11/14/06 12:44	5.3	15.5
11/14/06 12:45	5.3	15.4

11/14/06 12:45	5.4	15.4
11/14/06 12:45	5.4	15.4
11/14/06 12:45	5.3	15.5
11/14/06 12:46	5.3	15.5
11/14/06 12:46	5.3	15.5
11/14/06 12:46	5.3	15.5
11/14/06 12:46	5.3	15.5
11/14/06 12:47	5.3	15.5
11/14/06 12:47	5.2	15.6
11/14/06 12:47	5.2	15.6
11/14/06 12:47	5.3	15.5
11/14/06 12:48	5.3	15.5
11/14/06 12:48	5.3	15.5
11/14/06 12:48	5.2	15.6
11/14/06 12:48	5.2	15.6
11/14/06 12:49	5.2	15.6
11/14/06 12:49	5.3	15.5
11/14/06 12:49	5.4	15.4
11/14/06 12:49	5.5	15.2
11/14/06 12:50	5.5	15.2
11/14/06 12:50	5.4	15.3
11/14/06 12:50	5.4	15.4
11/14/06 12:50	5.3	15.4
11/14/06 12:51	5.3	15.5
11/14/06 12:51	5.2	15.6
11/14/06 12:51	5.1	15.7
11/14/06 12:51	5.2	15.6
11/14/06 12:52	5.2	15.6
11/14/06 12:52	5.2	15.6
11/14/06 12:52	5.3	15.5
11/14/06 12:52	5.4	15.4
11/14/06 12:53	5.4	15.4
11/14/06 12:53	5.3	15.4
11/14/06 12:53	5.3	15.5
11/14/06 12:53	5.3	15.5
11/14/06 12:54	5.3	15.5
11/14/06 12:54	5.2	15.5
11/14/06 12:54	5.1	15.7
11/14/06 12:54	5.1	15.7
11/14/06 12:55	5.1	15.7
11/14/06 12:55	5.2	15.6
11/14/06 12:55	5.2	15.6
11/14/06 12:55	5.3	15.5
11/14/06 12:56	5.3	15.4
11/14/06 12:56	5.3	15.4
11/14/06 12:56	5.4	15.4
11/14/06 12:56	5.3	15.5
11/14/06 12:57	5.3	15.5
11/14/06 12:57	5.2	15.6
11/14/06 12:57	5.2	15.5
11/14/06 12:57	5.4	15.4
11/14/06 12:58	5.5	15.3
11/14/08 12:58	5.4	15.3
11/14/06 12:58	5.4	15.4
11/14/06 12:58	5.4	15.3
11/14/06 12:59	5.4	15.3
11/14/06 12:59	5.3	15.4
11/14/06 12:59	5.4	15.4
11/14/06 12:59	5.6	15.2
11/14/06 13:00	5.6	15.1
11/14/06 13:00	5.6	15.1
11/14/06 13:00	5.6	15.2
11/14/06 13:00	5.6	15.2
11/14/06 13:01	5.5	15.2
11/14/06 13:01	5.4	15.3
11/14/06 13:01	5.3	15.5
11/14/06 13:01	5.2	15.5
11/14/06 13:02	5.1	15.6
11/14/06 13:02	5.2	15.6
11/14/06 13:02	5.2	15.6
11/14/06 13:02	5.3	15.4
11/14/06 13:03	5.3	15.4
11/14/06 13:03	5.4	15.4
11/14/06 13:03	5.4	15.4
11/14/06 13:03	5.4	15.4
11/14/06 13:04	5.5	15.3
11/14/06 13:04	5.5	15.3
11/14/06 13:04	5.5	15.3
11/14/06 13:04	5.6	15.1
11/14/06 13:05	5.6	15.1
11/14/06 13:05	5.6	15.1
11/14/06 13:05	5.7	15.1
11/14/06 13:05	5.7	15.0
11/14/06 13:06	5.7	15.0
11/14/06 13:06	5.6	15.1
11/14/06 13:06	5.6	15.1
11/14/06 13:06	5.5	15.2
11/14/06 13:07	5.6	15.1
11/14/06 13:07	5.6	15.2
11/14/06 13:07	5.5	15.2
11/14/06 13:07	5.5	15.2
11/14/06 13:08	5.5	15.3
11/14/06 13:08	5.6	15.2

11/14/06 13:08	5.6	15.2
11/14/06 13:08	5.4	15.3
11/14/06 13:09	5.2	15.5
11/14/06 13:09	5.1	15.7
11/14/06 13:09	5.1	15.7
11/14/06 13:09	5.2	15.6
11/14/06 13:10	5.3	15.5
11/14/06 13:10	5.2	15.5
11/14/06 13:10	5.2	15.6
11/14/06 13:10	5.3	15.5
11/14/06 13:11	5.4	15.3
11/14/06 13:11	5.4	15.3
11/14/06 13:11	5.4	15.4
11/14/06 13:11	5.3	15.4
11/14/06 13:12	5.2	15.5
11/14/06 13:12	5.2	15.6
11/14/06 13:12	5.3	15.5
11/14/06 13:12	5.3	15.4
11/14/06 13:13	5.4	15.4
11/14/06 13:13	5.4	15.4
11/14/06 13:13	5.3	15.5
11/14/06 13:13	5.2	15.6
11/14/06 13:14	5.2	15.6
11/14/06 13:14	5.2	15.6
11/14/06 13:14	5.2	15.6
11/14/06 13:14	5.3	15.5
11/14/06 13:15	5.3	15.5
11/14/06 13:15	5.4	15.4
11/14/06 13:15	5.4	15.4
11/14/06 13:15	5.4	15.4
11/14/06 13:16	5.3	15.5
11/14/06 13:16	5.2	15.5
11/14/06 13:16	5.2	15.6
11/14/06 13:16	5.3	15.5
11/14/06 13:17	5.3	15.5
11/14/06 13:17	5.2	15.6
11/14/06 13:17	5.2	15.6
11/14/06 13:17	5.2	15.5
11/14/06 13:18	5.2	15.5
11/14/06 13:18	5.2	15.6
11/14/06 13:18	5.2	15.6
11/14/06 13:18	5.2	15.6
11/14/06 13:19	5.2	15.5
11/14/06 13:19	5.2	15.5
11/14/06 13:19	5.2	15.6
11/14/06 13:19	5.2	15.6
11/14/06 13:20	5.2	15.6
11/14/06 13:20	5.2	15.6
11/14/06 13:20	5.2	15.6
11/14/06 13:20	5.2	15.6
11/14/06 13:21	5.2	15.6
11/14/06 13:21	5.1	15.7
11/14/06 13:21	5.1	15.7
11/14/06 13:21	5.2	15.6
11/14/06 13:22	5.2	15.5
11/14/06 13:22	5.3	15.5
AVG R 1	**5.3**	**15.5**
11/14/06 13:22	5.4	15.4
11/14/06 13:22	5.4	15.4
11/14/06 13:23	5.3	15.4
11/14/06 13:23	5.3	15.5
11/14/06 13:23	5.3	15.5
11/14/06 13:23	5.3	15.5
11/14/06 13:24	5.2	15.6
11/14/06 13:24	5.2	15.5
11/14/06 13:24	3.8	12.0
11/14/06 13:24	1.2	4.0
11/14/06 13:25	0.2	0.6
11/14/06 13:25	0.1	0.1
11/14/06 13:25	0.1	0.0
11/14/06 13:25	0.0	0.0
11/14/06 13:26	0.0	0.0
11/14/06 13:26	0.0	0.0
11/14/06 13:26	0.0	0.0
11/14/06 13:26	0.0	0.0
11/14/06 13:27	0.0	0.0
11/14/06 13:27	0.0	0.0
11/14/06 13:27	0.0	0.0
11/14/06 13:27	0.0	0.0
11/14/06 13:28	0.0	0.0
11/14/06 13:28	0.2	0.1
11/14/06 13:28	2.0	3.6
11/14/06 13:28	3.5	6.8
11/14/06 13:29	3.9	7.8
11/14/06 13:29	4.0	8.0
11/14/06 13:29	4.0	8.0
11/14/06 13:29	4.0	8.0
11/14/06 13:30	4.0	8.0
11/14/06 13:30	4.0	8.1
11/14/06 13:30	4.0	8.1
11/14/06 13:30	4.1	8.1
11/14/06 13:31	4.1	8.1

11/14/06 13:31	4.1	8.1
11/14/06 13:31	4.1	8.1
11/14/06 13:31	4.0	8.1
11/14/06 13:32	4.0	8.1
11/14/06 13:32	4.1	8.1
11/14/06 13:32	4.1	8.1
11/14/06 13:32	4.1	8.1
11/14/06 13:33	4.1	8.1
11/14/06 13:33	4.1	8.1
11/14/06 13:33	4.1	8.2
11/14/06 13:33	4.4	11.3
11/14/06 13:34	4.6	14.9

START R	% CO2	% O2
11/14/06 13:34	4.8	15.8
11/14/06 13:34	4.9	15.9
11/14/06 13:34	5.0	15.8
11/14/06 13:35	5.0	15.8
11/14/06 13:35	4.9	15.9
11/14/06 13:35	4.8	16.0
11/14/06 13:35	4.8	16.1
11/14/06 13:36	4.9	16.0
11/14/06 13:36	4.8	16.0
11/14/06 13:36	4.7	16.1
11/14/06 13:36	4.7	16.2
11/14/06 13:37	4.7	16.2
11/14/06 13:37	4.7	16.1
11/14/06 13:37	4.7	16.2
11/14/06 13:37	4.6	16.2
11/14/06 13:38	4.6	16.2
11/14/06 13:38	4.7	16.2
11/14/06 13:38	4.8	16.1
11/14/06 13:38	4.8	16.0
11/14/06 13:39	4.9	16.0
11/14/06 13:39	4.9	15.9
11/14/06 13:39	5.0	15.9
11/14/06 13:39	5.0	15.9
11/14/06 13:40	4.9	15.9
11/14/06 13:40	4.9	16.0
11/14/06 13:40	4.9	16.0
11/14/06 13:40	4.9	16.0
11/14/06 13:41	4.9	15.9
11/14/06 13:41	5.0	15.9
11/14/06 13:41	5.0	15.8
11/14/06 13:41	5.1	15.7
11/14/06 13:42	5.1	15.7
11/14/06 13:42	5.1	15.7
11/14/06 13:42	5.0	15.8
11/14/06 13:42	4.9	15.9
11/14/06 13:43	4.7	16.1
11/14/06 13:43	4.5	16.3
11/14/06 13:43	4.4	16.5
11/14/06 13:43	4.6	16.3
11/14/06 13:44	4.8	16.1
11/14/06 13:44	4.8	16.1
11/14/06 13:44	4.7	16.1
11/14/06 13:44	4.6	16.2
11/14/06 13:45	4.5	16.4
11/14/06 13:45	4.5	16.4
11/14/06 13:45	4.7	16.2
11/14/06 13:45	4.8	16.1
11/14/06 13:46	4.8	16.1
11/14/06 13:46	4.8	16.0
11/14/06 13:46	4.8	16.0
11/14/06 13:46	4.8	16.0
11/14/06 13:47	4.8	16.1
11/14/06 13:47	4.8	16.1
11/14/06 13:47	4.9	15.9
11/14/06 13:47	4.8	16.0
11/14/06 13:48	4.7	16.2
11/14/06 13:48	4.6	16.3
11/14/06 13:48	4.5	16.4
11/14/06 13:48	4.5	16.4
11/14/06 13:49	4.6	16.3
11/14/06 13:49	4.6	16.3
11/14/06 13:49	4.6	16.3
11/14/06 13:49	4.6	16.2
11/14/06 13:50	4.6	16.2
11/14/06 13:50	4.6	16.3
11/14/06 13:50	4.5	16.3
11/14/06 13:50	4.7	16.2
11/14/06 13:51	4.8	16.1
11/14/06 13:51	4.8	16.1
11/14/06 13:51	4.9	16.0
11/14/06 13:51	4.9	16.0
11/14/06 13:52	4.9	15.9
11/14/06 13:52	4.9	15.9
11/14/06 13:52	5.0	15.8
11/14/06 13:52	5.1	15.7
11/14/06 13:53	4.9	15.9
11/14/06 13:53	4.9	16.0
11/14/06 13:53	4.8	16.0
11/14/06 13:53	4.8	16.1
11/14/06 13:54	4.9	16.0

11/14/06 13:54	5.1	15.7
11/14/06 13:54	5.2	15.6
11/14/06 13:54	5.3	15.5
11/14/06 13:55	5.2	15.6
11/14/06 13:55	5.2	15.7
11/14/06 13:55	5.2	15.7
11/14/06 13:55	5.1	15.7
11/14/06 13:56	5.1	15.8
11/14/06 13:56	5.1	15.7
11/14/06 13:56	5.0	15.8
11/14/06 13:56	4.9	16.0
11/14/06 13:57	4.8	16.0
11/14/06 13:57	5.0	15.9
11/14/06 13:57	5.2	15.6
11/14/06 13:57	5.2	15.6
11/14/06 13:58	5.2	15.6
11/14/06 13:58	5.2	15.6
11/14/06 13:58	5.1	15.7
11/14/06 13:58	5.0	15.8
11/14/06 13:59	5.1	15.7
11/14/06 13:59	5.3	15.5
11/14/06 13:59	5.4	15.4
11/14/06 13:59	5.3	15.4
11/14/06 14:00	5.3	15.5
11/14/06 14:00	5.3	15.6
11/14/06 14:00	5.3	15.5
11/14/06 14:00	5.3	15.5
11/14/06 14:01	5.2	15.6
11/14/06 14:01	5.2	15.6
11/14/06 14:01	5.2	15.6
11/14/06 14:01	5.4	15.4
11/14/06 14:02	5.3	15.5
11/14/06 14:02	5.1	15.7
11/14/06 14:02	5.1	15.8
11/14/06 14:02	5.1	15.7
11/14/06 14:03	5.3	15.5
11/14/06 14:03	5.4	15.4
11/14/06 14:03	5.4	15.3
11/14/06 14:03	5.4	15.4
11/14/06 14:04	5.3	15.5
11/14/06 14:04	5.4	15.3
11/14/06 14:04	5.5	15.3
11/14/06 14:04	5.4	15.4
11/14/06 14:05	5.3	15.5
11/14/06 14:05	5.4	15.4
11/14/06 14:05	5.4	15.4
11/14/06 14:05	5.6	15.1
11/14/06 14:06	5.7	14.9
11/14/06 14:06	5.7	15.0
11/14/06 14:06	5.6	15.2
11/14/06 14:06	5.5	15.3
11/14/06 14:07	5.5	15.2
11/14/06 14:07	5.6	15.2
11/14/06 14:07	5.4	15.4
11/14/06 14:07	5.4	15.5
11/14/06 14:08	5.4	15.4
11/14/06 14:08	5.3	15.5
11/14/06 14:08	5.2	15.6
11/14/06 14:08	5.2	15.6
11/14/06 14:09	5.1	15.7
11/14/06 14:09	4.9	15.9
11/14/06 14:09	4.9	16.0
11/14/06 14:09	4.9	16.0
11/14/06 14:10	5.0	15.9
11/14/06 14:10	5.2	15.6
11/14/06 14:10	5.1	15.7
11/14/06 14:10	4.9	15.9
11/14/06 14:11	4.9	15.9
11/14/06 14:11	4.9	15.9
11/14/06 14:11	4.9	15.9
11/14/06 14:11	5.2	15.6
11/14/06 14:12	5.4	15.4
11/14/06 14:12	5.3	15.5
11/14/06 14:12	5.1	15.7
11/14/06 14:12	5.0	15.8
11/14/06 14:13	5.0	15.9
11/14/06 14:13	5.1	15.8
11/14/06 14:13	5.1	15.7
11/14/06 14:13	5.0	15.8
11/14/06 14:14	4.9	15.9
11/14/06 14:14	5.1	15.7
11/14/06 14:14	5.2	15.6
11/14/06 14:14	5.1	15.8
11/14/06 14:15	5.1	15.7
11/14/06 14:15	5.2	15.6
11/14/06 14:15	5.2	15.6
11/14/06 14:15	5.4	15.4
11/14/06 14:16	5.3	15.5
11/14/06 14:16	5.2	15.7
11/14/06 14:16	5.1	15.8
11/14/06 14:16	5.1	15.7
11/14/06 14:17	5.2	15.6
11/14/06 14:17	5.3	15.5

11/14/06 14:17	5.3	15.5
11/14/06 14:17	5.3	15.5
11/14/06 14:18	5.2	15.7
11/14/06 14:18	5.2	15.7
11/14/06 14:18	5.4	15.4
11/14/06 14:18	5.3	15.4
11/14/06 14:19	5.2	15.6
11/14/06 14:19	5.2	15.6
11/14/06 14:19	5.1	15.7
11/14/06 14:19	5.0	15.8
11/14/06 14:20	5.1	15.7
11/14/06 14:20	5.2	15.6
11/14/06 14:20	5.2	15.6
11/14/06 14:20	5.2	15.6
11/14/06 14:21	5.2	15.6
11/14/06 14:21	5.2	15.6
11/14/06 14:21	5.2	15.6
11/14/06 14:21	5.1	15.7
11/14/06 14:22	5.0	15.8
11/14/06 14:22	5.0	15.8
11/14/06 14:22	5.0	15.8
11/14/06 14:22	5.1	15.7
11/14/06 14:23	5.2	15.6
11/14/06 14:23	5.2	15.6
11/14/06 14:23	5.2	15.6
11/14/06 14:23	5.2	15.6
11/14/06 14:24	5.1	15.7
11/14/06 14:24	5.0	15.8
11/14/06 14:24	5.0	15.8
11/14/06 14:24	5.1	15.7
11/14/06 14:25	5.1	15.8
11/14/06 14:25	5.1	15.7
11/14/06 14:25	5.3	15.5
11/14/06 14:25	5.3	15.5
11/14/06 14:26	5.2	15.6
11/14/06 14:26	5.3	15.6
11/14/06 14:26	5.2	15.6
11/14/06 14:26	5.1	15.7
11/14/06 14:27	5.2	15.6
11/14/06 14:27	5.2	15.6
11/14/06 14:27	5.2	15.6
11/14/06 14:27	5.4	15.4
11/14/06 14:28	5.3	15.4
11/14/06 14:28	5.2	15.6
11/14/06 14:28	5.1	15.7
11/14/06 14:28	5.1	15.8
11/14/06 14:29	5.1	15.8
11/14/06 14:29	5.0	15.8
11/14/06 14:29	4.9	15.9
11/14/06 14:29	5.0	15.9
11/14/06 14:30	5.1	15.8
11/14/06 14:30	5.1	15.7
11/14/06 14:30	5.2	15.6
11/14/06 14:30	5.1	15.7
11/14/06 14:31	5.1	15.7
11/14/06 14:31	5.2	15.7
11/14/06 14:31	5.2	15.6
11/14/06 14:31	5.1	15.7
11/14/06 14:32	4.9	15.9
11/14/06 14:32	4.8	16.0
11/14/06 14:32	4.8	16.0
11/14/06 14:32	4.9	15.9
11/14/06 14:33	5.1	15.8
11/14/06 14:33	5.1	15.7
11/14/06 14:33	5.1	15.7
11/14/06 14:33	5.1	15.8
11/14/06 14:34	5.0	15.8
AVG R 2	**5.0**	**15.8**
11/14/06 14:34	5.0	15.8
11/14/06 14:34	4.9	15.9
11/14/06 14:34	4.9	15.9
11/14/06 14:35	3.9	12.5
11/14/06 14:35	1.3	4.0
11/14/06 14:35	0.2	0.5
11/14/06 14:35	0.1	0.1
11/14/06 14:36	0.1	0.0
11/14/06 14:36	0.0	0.0
11/14/06 14:36	0.0	0.0
11/14/06 14:36	0.0	0.0
11/14/06 14:37	0.0	0.0
11/14/06 14:37	0.0	0.0
11/14/06 14:37	0.0	0.0
11/14/06 14:37	0.0	0.0
11/14/06 14:38	0.0	0.0
11/14/06 14:38	0.0	0.0
11/14/06 14:38	0.0	0.0
11/14/06 14:38	0.0	0.0
11/14/06 14:39	0.0	0.0
11/14/06 14:39	0.0	0.0
11/14/06 14:39	0.0	0.0
11/14/06 14:39	0.1	0.0
11/14/06 14:40	1.7	2.9

11/14/06 14:40	3.4	6.6
11/14/06 14:40	3.9	7.8
11/14/06 14:40	4.0	8.0
11/14/06 14:41	4.0	8.0
11/14/06 14:41	4.0	8.0
11/14/06 14:41	4.0	8.0
11/14/06 14:41	4.0	8.0
11/14/06 14:42	4.0	8.1
11/14/06 14:42	4.0	8.1
11/14/06 14:42	4.0	8.1
11/14/06 14:42	4.1	8.1
11/14/06 14:43	4.7	11.1
11/14/06 14:43	5.4	14.1
11/14/06 14:43	5.6	15.0
11/14/06 14:43	5.6	15.0
11/14/06 14:44	5.7	15.0
11/14/06 14:44	5.7	15.0
11/14/06 14:44	5.7	14.9
11/14/06 14:44	5.7	15.0
11/14/06 14:45	5.6	15.1
11/14/06 14:45	5.6	15.1

START R	% CO2	% O2
11/14/06 14:45	5.6	15.1
11/14/06 14:45	5.6	15.2
11/14/06 14:46	5.6	15.2
11/14/06 14:46	5.5	15.2
11/14/06 14:46	5.5	15.2
11/14/06 14:46	5.6	15.1
11/14/06 14:47	5.6	15.1
11/14/06 14:47	5.4	15.3
11/14/06 14:47	5.4	15.4
11/14/06 14:47	5.5	15.3
11/14/06 14:48	5.6	15.2
11/14/06 14:48	5.6	15.1
11/14/06 14:48	5.6	15.1
11/14/06 14:48	5.5	15.2
11/14/06 14:49	5.6	15.1
11/14/06 14:49	5.4	15.4
11/14/06 14:49	5.3	15.6
11/14/06 14:49	5.4	15.4
11/14/06 14:50	5.6	15.2
11/14/06 14:50	5.6	15.2
11/14/06 14:50	5.6	15.2
11/14/06 14:50	5.5	15.3
11/14/06 14:51	5.4	15.4
11/14/06 14:51	5.4	15.5
11/14/06 14:51	5.3	15.6
11/14/06 14:51	5.1	15.7
11/14/06 14:52	5.0	15.9
11/14/06 14:52	4.9	16.0
11/14/06 14:52	4.8	16.1
11/14/06 14:52	4.6	16.3
11/14/06 14:53	4.5	16.4
11/14/06 14:53	3.9	16.9
11/14/06 14:53	3.7	17.3
11/14/06 14:53	4.0	16.9
11/14/06 14:54	4.2	16.7
11/14/06 14:54	4.3	16.6
11/14/06 14:54	4.5	16.4
11/14/06 14:54	4.7	16.2
11/14/06 14:55	4.8	16.1
11/14/06 14:55	4.8	16.0
11/14/06 14:55	4.6	16.2
11/14/06 14:55	4.4	16.5
11/14/06 14:56	4.2	16.7
11/14/06 14:56	4.0	16.9
11/14/06 14:56	4.0	16.9
11/14/06 14:56	3.9	17.0
11/14/06 14:57	3.7	17.2
11/14/06 14:57	3.6	17.4
11/14/06 14:57	3.5	17.5
11/14/06 14:57	3.4	17.5
11/14/06 14:58	3.4	17.6
11/14/06 14:58	3.3	17.7
11/14/06 14:58	3.2	17.7
11/14/06 14:58	3.3	17.7
11/14/06 14:59	3.4	17.5
11/14/06 14:59	3.6	17.4
11/14/06 14:59	4.0	16.9
11/14/08 14:59	4.2	16.7
11/14/06 15:00	4.2	16.7
11/14/06 15:00	4.3	16.7
11/14/06 15:00	4.5	16.4
11/14/06 15:00	4.5	16.4
11/14/06 15:01	4.5	16.4
11/14/06 15:01	4.5	16.3
11/14/06 15:01	4.6	16.3
11/14/06 15:01	4.8	16.1
11/14/06 15:02	4.9	16.0
11/14/06 15:02	4.8	16.1
11/14/06 15:02	4.7	16.2
11/14/06 15:02	4.7	16.2
11/14/06 15:03	4.9	16.0

11/14/06 15:03	4.7	16.1
11/14/06 15:03	4.7	16.2
11/14/06 15:03	4.9	16.0
11/14/06 15:04	5.0	15.9
11/14/06 15:04	4.9	16.0
11/14/06 15:04	4.9	16.0
11/14/06 15:04	4.9	16.0
11/14/06 15:05	4.8	16.1
11/14/06 15:05	4.8	16.1
11/14/06 15:05	4.7	16.1
11/14/06 15:05	4.7	16.2
11/14/06 15:06	4.8	16.1
11/14/06 15:06	4.8	16.1
11/14/06 15:06	4.9	16.0
11/14/06 15:06	4.9	16.0
11/14/06 15:07	4.7	16.2
11/14/06 15:07	4.7	16.2
11/14/06 15:07	4.7	16.2
11/14/06 15:07	4.9	16.0
11/14/06 15:08	4.9	15.9
11/14/06 15:08	4.9	16.0
11/14/06 15:08	4.9	15.9
11/14/06 15:08	4.8	16.0
11/14/06 15:09	4.8	16.1
11/14/06 15:09	4.8	16.1
11/14/06 15:09	4.9	16.0
11/14/06 15:09	4.9	15.9
11/14/06 15:10	5.0	15.8
11/14/06 15:10	5.1	15.8
11/14/06 15:10	5.1	15.7
11/14/06 15:10	5.0	15.8
11/14/06 15:11	4.9	16.0
11/14/06 15:11	4.8	16.1
11/14/06 15:11	4.7	16.1
11/14/06 15:11	4.8	16.0
11/14/06 15:12	5.0	15.9
11/14/06 15:12	5.1	15.8
11/14/06 15:12	5.1	15.7
11/14/06 15:12	5.2	15.7
11/14/06 15:13	5.3	15.6
11/14/06 15:13	5.2	15.6
11/14/06 15:13	5.2	15.6
11/14/06 15:13	5.3	15.5
11/14/06 15:14	5.4	15.4
11/14/06 15:14	5.4	15.4
11/14/06 15:14	5.4	15.4
11/14/06 15:14	5.4	15.4
11/14/06 15:15	5.3	15.5
11/14/06 15:15	5.2	15.7
11/14/06 15:15	5.2	15.7
11/14/06 15:15	5.2	15.7
11/14/06 15:16	5.2	15.6
11/14/06 15:16	5.3	15.5
11/14/06 15:16	5.3	15.5
11/14/06 15:16	5.3	15.5
11/14/06 15:17	5.3	15.5
11/14/06 15:17	5.2	15.6
11/14/06 15:17	5.4	15.4
11/14/06 15:17	5.5	15.3
11/14/06 15:18	5.4	15.3
11/14/06 15:18	5.4	15.4
11/14/06 15:18	5.4	15.4
11/14/06 15:18	5.5	15.3
11/14/06 15:19	5.5	15.3
11/14/06 15:19	5.6	15.2
11/14/06 15:19	5.6	15.0
11/14/06 15:19	5.6	15.0
11/14/06 15:20	5.6	15.1
11/14/06 15:20	5.7	15.0
11/14/06 15:20	5.7	15.0
11/14/06 15:20	5.7	15.0
11/14/06 15:21	5.5	15.2
11/14/06 15:21	5.0	15.7
11/14/06 15:21	4.7	15.9
11/14/06 15:21	4.5	16.2
11/14/06 15:22	4.2	16.6
11/14/06 15:22	3.9	17.0
11/14/06 15:22	3.6	17.3
11/14/06 15:22	3.4	17.6
11/14/06 15:23	3.1	17.8
11/14/06 15:23	3.2	17.8
11/14/06 15:23	3.2	17.7
11/14/06 15:23	3.0	17.9
11/14/06 15:24	3.2	17.8
11/14/06 15:24	3.7	17.2
11/14/06 15:24	4.1	16.9
11/14/06 15:24	4.2	16.7
11/14/06 15:25	4.3	16.6
11/14/06 15:25	4.4	16.5
11/14/06 15:25	4.5	16.4
11/14/06 15:25	4.6	16.3
11/14/06 15:26	4.6	16.3
11/14/06 15:26	4.8	16.1

11/14/06 15:26	4.8	16.1
11/14/06 15:26	4.7	16.2
11/14/06 15:27	4.7	16.2
11/14/06 15:27	4.8	16.1
11/14/06 15:27	5.0	15.9
11/14/06 15:27	5.0	15.8
11/14/06 15:28	4.9	16.0
11/14/06 15:28	5.0	15.9
11/14/06 15:28	5.0	15.8
11/14/06 15:28	5.0	15.8
11/14/06 15:29	5.1	15.7
11/14/06 15:29	5.3	15.5
11/14/06 15:29	5.3	15.5
11/14/06 15:29	5.2	15.7
11/14/06 15:30	5.1	15.7
11/14/06 15:30	5.3	15.6
11/14/06 15:30	5.5	15.3
11/14/06 15:30	5.5	15.3
11/14/06 15:31	5.4	15.3
11/14/06 15:31	5.4	15.5
11/14/06 15:31	5.3	15.5
11/14/06 15:31	5.3	15.5
11/14/06 15:32	5.2	15.6
11/14/06 15:32	5.3	15.5
11/14/06 15:32	5.4	15.4
11/14/06 15:32	5.3	15.5
11/14/06 15:33	5.2	15.6
11/14/06 15:33	5.2	15.6
11/14/06 15:33	5.3	15.6
11/14/06 15:33	5.3	15.6
11/14/06 15:34	5.3	15.6
11/14/06 15:34	5.2	15.7
11/14/06 15:34	5.2	15.7
11/14/06 15:34	5.3	15.6
11/14/06 15:35	5.3	15.6
11/14/06 15:35	5.1	15.7
11/14/06 15:35	4.9	16.0
11/14/06 15:35	5.0	15.9
11/14/06 15:36	5.2	15.6
11/14/06 15:36	5.3	15.6
11/14/06 15:36	5.3	15.5
11/14/06 15:36	5.4	15.4
11/14/06 15:37	5.4	15.4
11/14/06 15:37	5.4	15.4
11/14/06 15:37	5.4	15.4
11/14/06 15:37	5.4	15.4
11/14/06 15:38	5.4	15.5
11/14/06 15:38	5.2	15.6
11/14/06 15:38	5.2	15.7
11/14/06 15:38	5.2	15.6
11/14/06 15:39	5.3	15.5
11/14/06 15:39	5.3	15.6
11/14/06 15:39	5.2	15.7
11/14/06 15:39	5.1	15.8
11/14/06 15:40	5.1	15.7
11/14/06 15:40	5.2	15.7
11/14/06 15:40	5.1	15.8
11/14/06 15:40	5.1	15.8
11/14/06 15:41	5.0	15.8
11/14/06 15:41	4.9	15.9
11/14/06 15:41	4.9	16.0
11/14/06 15:41	5.1	15.8
11/14/06 15:42	5.2	15.7
11/14/06 15:42	5.2	15.6
11/14/06 15:42	5.2	15.6
11/14/06 15:42	5.2	15.5
11/14/06 15:43	5.2	15.6
11/14/06 15:43	5.0	15.8
11/14/06 15:43	4.8	16.0
11/14/06 15:43	4.7	16.2
11/14/06 15:44	4.2	16.7
11/14/06 15:44	3.8	17.1
11/14/06 15:44	3.6	17.3
11/14/06 15:44	3.4	17.6
11/14/06 15:45	3.2	17.8
11/14/06 15:45	3.1	18.0
AVG R 3	**4.9**	**16.0**
11/14/06 15:45	3.1	18.0
11/14/06 15:45	3.0	18.0
11/14/06 15:46	3.1	17.9
11/14/06 15:46	3.1	17.9
11/14/06 15:46	3.1	17.9
11/14/06 15:46	3.0	18.0
11/14/06 15:47	3.0	16.7
11/14/06 15:47	1.6	7.1
11/14/06 15:47	0.3	1.2
11/14/06 15:47	0.1	0.2
11/14/06 15:48	0.1	0.0
11/14/06 15:48	0.1	0.0
11/14/06 15:48	0.0	0.0
11/14/06 15:48	0.0	0.0
11/14/06 15:49	0.0	0.0
11/14/06 15:49	0.0	0.0

11/14/06 15:49	0.0	0.0
11/14/06 15:49	0.0	0.0
11/14/06 15:50	0.0	0.0
11/14/06 15:50	0.0	0.0
11/14/06 15:50	0.0	0.0
11/14/06 15:50	0.0	0.0
11/14/06 15:51	0.0	0.0
11/14/06 15:51	0.0	0.0
11/14/06 15:51	0.0	0.0
11/14/06 15:51	0.0	0.0
11/14/06 15:52	0.0	0.0
11/14/06 15:52	0.5	0.7
11/14/06 15:52	2.6	4.9
11/14/06 15:52	3.8	7.4
11/14/06 15:53	4.0	8.0
11/14/06 15:53	3.9	7.9
11/14/06 15:53	3.2	6.3
11/14/06 15:53	3.7	7.3
11/14/06 15:54	4.0	7.9
11/14/06 15:54	4.0	8.1
11/14/06 15:54	4.0	8.1
11/14/06 15:54	4.0	8.1
11/14/06 15:55	3.4	9.9
11/14/06 15:55	1.1	17.1
11/14/06 15:55	0.3	20.3
11/14/06 15:55	0.1	20.8
11/14/06 15:56	0.1	20.9
11/14/06 15:56	0.1	20.9
11/14/06 15:56	0.1	20.9
11/14/06 15:56	0.1	20.9
11/14/06 15:57	0.1	20.9
11/14/06 15:57	0.1	20.9
11/14/06 15:57	0.1	20.9
11/14/06 15:57	0.1	21.0
11/14/06 15:58	0.1	21.0
11/14/06 15:58	0.1	21.0

APPENDIX D

VISIBLE EMISSIONS RECORD

MISSISSIPPI DEPARTMENT OF ENVIRONMENTAL QUALITY
OFFICE OF POLLUTION CONTROL

acknowledges that Shaun Walker successfully participated in Visible Emissions Evaluation Training on October 18-20, 2006, and is certified to evaluate Visible Emissions in accordance with EPA Test Method 9 for a period of six (6) months from the date of certification.

CERTIFICATION EXPIRES: April 20, 2007

Training Coordinator

ENVIRONMENTAL MONITORING LABORATORIES - RIDGELAND, MISSISSIPPI - 601/856-3092

VISIBLE EMISSIONS EVALUATION RECORD

Run 3

PLANT: Kelley

Emission Point: Boiler

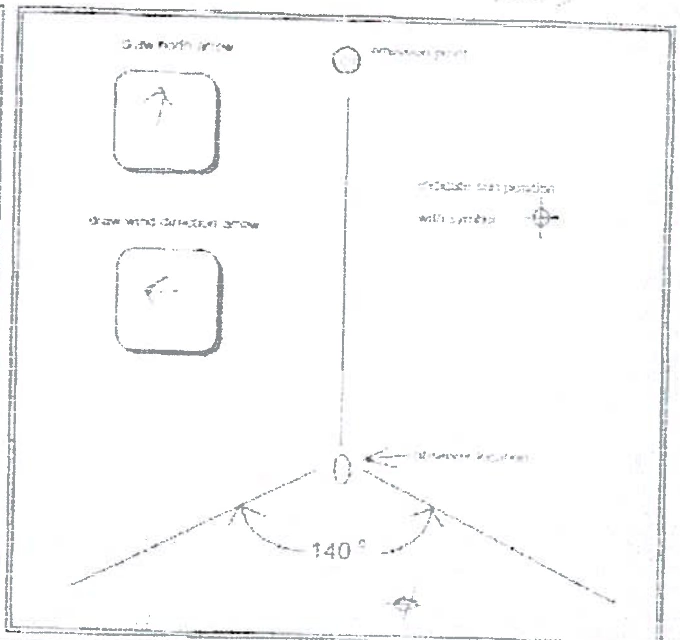
Date: 11-19-01

Stack height: 75'

Distance to source: 150'

Direction from source: East

CONDITIONS	START	STOP
Time	1445	1545
Wind direction	East	East
Wind speed	10-15	10-15
Ambient temp °F	42	42
Sky cover	Cloudy	Cloudy
Plume color	Black	Black
Plume background	Cloudy	Cloudy



Condensing water vapor? No Detached ☐ Attached ☐ Distance visible: N/A

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

Remarks: 215 150 300 280

Avg. opacity for period: 5.90 Highest six minute average: 7.08

Other data reduction:

Observer: [illegible] date certified: [illegible] Signature: [illegible]

ENVIRONMENTAL MONITORING LABORATORIES - RIDGELAND, MISSISSIPPI - 601-[illegible]

VISIBLE EMISSIONS EVALUATION RECORD

Run [illegible]

PLANT Koppers

Emission Point Boiler

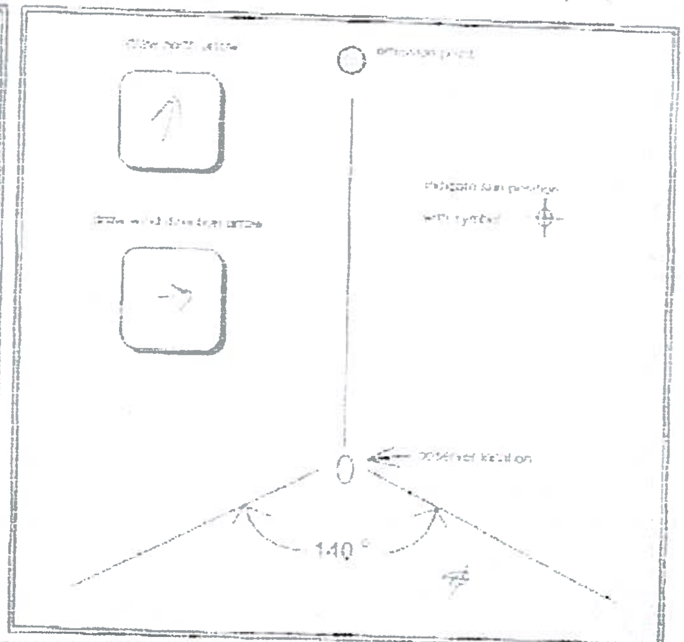
Date 11-19-01

Stack height 75'

Distance to source 150'

Direction from source SE

CONDITIONS	START	STOP
Time	1324	1434
Wind direction	E[illegible]	E[illegible]
Wind speed	10-15	10-15
Ambient temp °F	62	62
Sky cover	cloudy	cloudy
Plume color	black	black
Plume background	cloudy	cloudy



Condensing water vapor? no Detached ☐ Attached ☐ Distance visible [illegible]

min	0	15	30	45
0	5	5	5	5
1	5	5	5	5
2	10	10	5	5
3	5	5	5	5
4	5	5	5	5
5	10	10	10	10
6	10	5	5	5
7	5	5	5	5
8	5	5	5	5
9	10	10	10	5
10	5	5	5	5
11	10	5	5	5
12	5	5	5	5
13	5	5	5	5
14	5	10	10	10

min	0	15	30	45
15	5	5	5	5
16	10	10	10	5
17	0	0	0	0
18	5	5	5	5
19	5	5	5	5
20	10	10	15	15
21	10	10	5	5
22	5	5	5	5
23	5	5	5	5
24	5	5	5	5
25	5	5	5	5
26	10	10	10	10
27	5	5	5	5
28	5	5	10	5
29	5	5	5	10

min	0	15	30	45
30	5	5	10	10
31	5	5	5	5
32	5	5	5	5
33	5	5	10	10
34	5	5	5	5
35	5	5	10	10
36	5	5	10	5
37	5	5	5	5
38	5	5	5	5
39	5	5	0	0
40	0	0	0	0
41	5	5	5	5
42	10	10	5	10
43	5	5	5	5
44	0	0	0	0

min	0	15	30	45
45	10	10	10	5
46	5	5	5	5
47	5	5	5	5
48	10	10	10	10
49	5	10	10	10
50	10	5	5	5
51	5	5	5	0
52	0	0	0	0
53	5	5	5	5
54	5	5	5	5
55	5	5	5	5
56	5	5	5	5
57	10	10	10	5
58	5	5	5	5
59	5	5	5	5

Remarks 307 365 300 275

Avg. opacity for period 5.69 Highest six minute average 6.88

Other data reduction

Observer Shane [illegible] date certified [illegible] Signature [illegible]

ENVIRONMENTAL MONITORING LABORATORIES - RIDGELAND, MISSISSIPPI - (601)856-7092

VISIBLE EMISSIONS EVALUATION RECORD

Run 1

PLANT Koppers

Emission Point Boiler

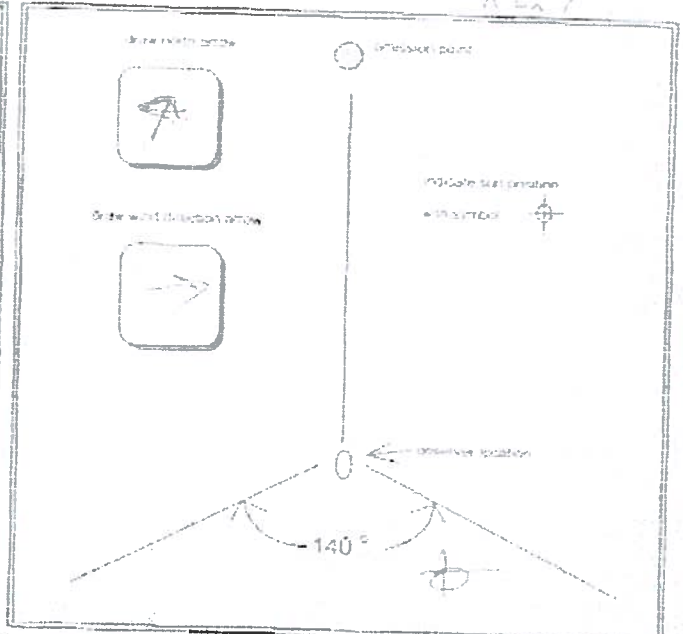
Date 11-14-06

Stack height 75'

Distance to source 150'

Direction from source SE

CONDITIONS	START	STOP
Time	1233	1333
Wind direction	East	East
Wind speed	E 5-10 mph	10-15
Ambient temp °F	60	62
Sky cover	cloudy	cloudy
Plume color	black	black
Plume background	cloudy	cloudy



Condensing water vapor? no Detached ☐ Attached ☐ Distance visible N/A

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

Remarks 150 300 150 500

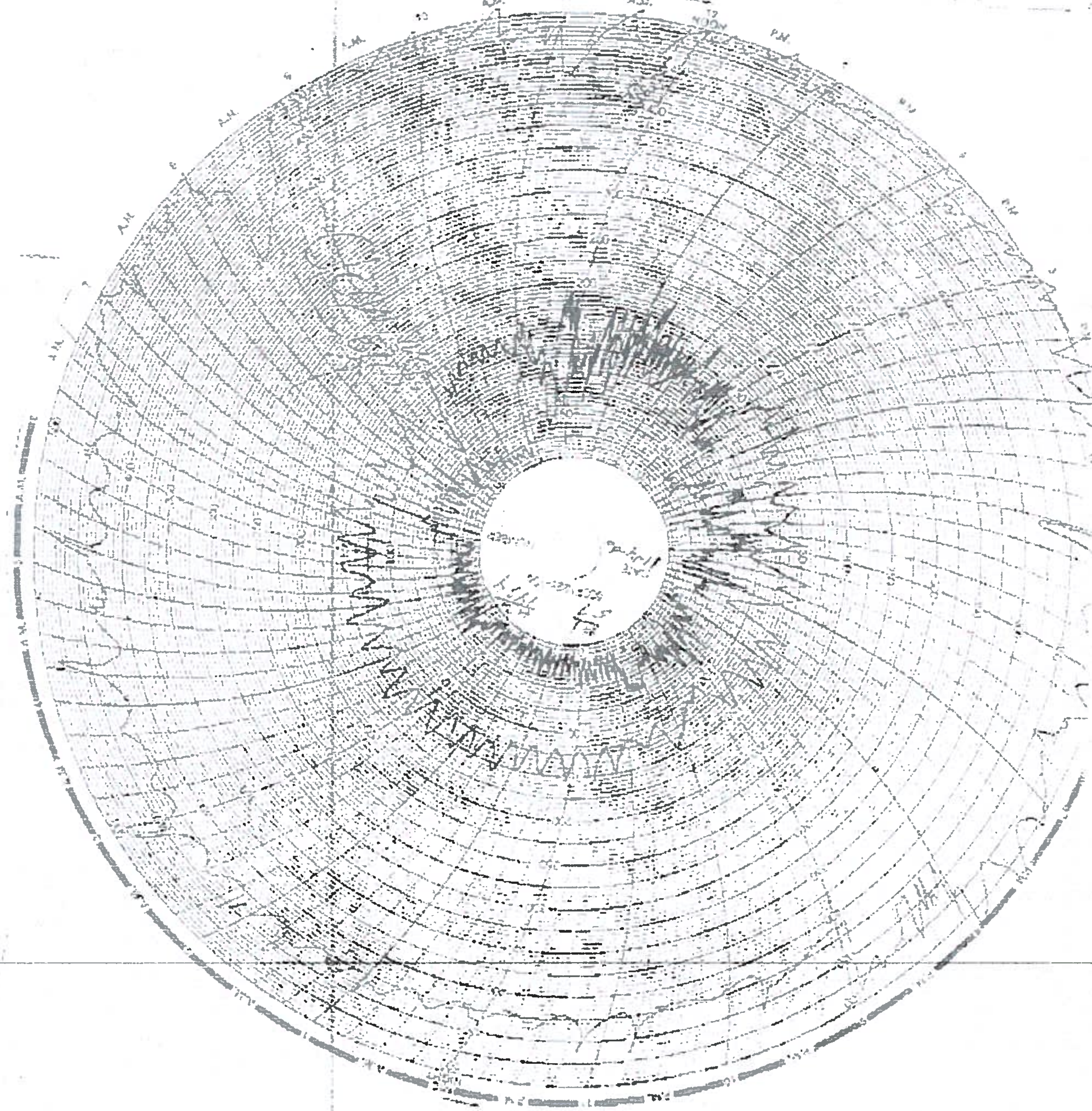
Avg opacity for period: 4.875 Highest six minute average: 6.46

Other data reduction

Observer Shawn Walker date certified 10-06 Signature [illegible]

APPENDIX E

BOILER STEAM CHART



Kevin B. Coker
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Cokerkb@koppers.com
www.koppers.com

January 30, 2006

CERTIFIED MAIL 7002 0460 0003 7596 2137

Mr. Azzam Abu-Mirshid
MS Department of Environmental Quality
Air Facilities Branch
P.O. Box 10385
Jackson, MS 39289-0385

Subject: **Title V Operating Permit - # 0960-00012**
Semi-Annual Air Report July - December 2005
Koppers Inc. - Grenada Mississippi

Dear Mr. Abu-Mirshid:

Enclosed you will find the Continuous Emissions Monitoring (CEM) report for the subject period containing information regarding opacity emissions. Information provided in this report represents emissions from the Wellons wood-fired boiler used by the facility and is identified as emission point AA-001 on Title V Permit (TVOP) No. 0960-00012.

The attached information reflects episodes of excess opacity from the boiler. Many of these episodes were a result of start-up attempts. In these instances notifications were not provided to your office due to exemptions under Section 3.A.1 of the TVOP. Further, notifications were not provided in the instance of GE Services conducting its quarterly audit on the system on December 28th, 2005.

The balance of the episodes was reported to your office verbally and in writing. The date of these episodes and the corresponding certified mail receipts for the written reports addressing them are listed below.

- September 2, 2005 – CERTIFIED MAIL 7002 0460 0003 7596 1673
- September 27, 2005 – CERTIFIED MAIL 7002 0460 0003 7596 1956
- December 27, 2005 – CERTIFIED MAIL 7002 0460 0003 7596 1956

There were two instances that the CEM failed calibration. In both cases notifications were made to your office verbally and in writing. The date of these written notifications and their corresponding certified mail receipts are listed below.

- March 7, 2005 – CERTIFIED MAIL 7002 0460 0003 7596 1413
- September 12, 2005 – CERTIFIED MAIL 7002 0460 0003 7596 1673

There was one instance that the CEM was damaged by an electrical surge. Information concerning correspondences relevant to this incident is listed below.

- November 23, 2005 – CERTIFIED MAIL 7002 0460 0003 7596 1840
- December 27,2005 – CERTIFIED MAIL 7002 0460 0003 7596 1918

I certify under penalty of law that this document and all attachments were prepared under the direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations." If you have any questions, please call me at 662-226-4584 extension 11.

Sincerely,

Kevin B. Coker
Plant Manager

CC: Patrick Stark, CSG – Pittsburgh, PA
Enclosure

Enertec NTDahs®
Episode List Report
Koppers Industries
Tie Plant Road
Tie Plant, Miss. 38960
from 07/01/05 00:00 to 09/30/05 23:59
Generated: 01/18/2006
Types: ALL

POLLUTANT: Opac EPISODE: Excess_Opacity

Incident Start	Incident End	Type	Value /	Limit	(%dev)	Reason	Action
08/15/05 16:54 -	08/15/05 16:59	1: OV	42.300 /	40.000	(5.75%)	Startup	No Action Needed
09/02/05 15:24 -	09/02/05 15:29	1: OV	49.600 /	40.000	(24.00%)	Pri. Analyzer Malfunctio	Attempting to repa
09/12/05 07:00 -	09/12/05 07:05	1: OV	47.800 /	40.000	(19.50%)	Startup	No Action Needed
09/12/05 07:06 -	09/12/05 07:11	1: OV	42.400 /	40.000	(6.00%)	Startup	No Action Needed
09/26/05 06:06 -	09/26/05 06:11	1: OV	41.900 /	40.000	(4.75%)	Startup	No Action Needed
09/27/05 12:54 -	09/27/05 12:59	1: OV	87.000 /	40.000	(117.50%)	Process Equipment Probs	Other Corrective A
09/27/05 13:00 -	09/27/05 13:05	1: OV	96.000 /	40.000	(140.00%)	Process Equipment Probs	Other Corrective A

Total Reported Time: 2208.0 hours

TOTAL DURATION = 0.70 hours

1: Over limit = 0.70 hours
- 3: Startup = 0.40 hours
- 6: Process Equipment Probs = 0.20 hours
- 16: Pri. Analyzer Malfunction = 0.10 hours

Enertec NiDans®
Episode List Report
Koppers Industries
Tie Plant Road
Tie Plant, Miss. 38960
from 10/01/05 00:00 to 12/31/05 23:59
Generated: 01/30/2006
Types: OVER

POLLUTANT: Opac EPISODE: Excess_Opacity

Incident Start		Incident End	Type	Value	/ Limit	(%dev)	Reason	Action
12/05/05 06:24	-	12/05/05 06:29	1: OV	56.000 /	40.000	(40.00%)	Startup	No Action Taken
12/27/05 07:48	-	12/27/05 07:53	1: OV	50.400 /	40.000	(26.00%)	Process Equipment Probs	Repaired Process E
12/27/05 07:54	-	12/27/05 07:59	1: OV	87.000 /	40.000	(117.50%)	Process Equipment Probs	Repaired Process E
12/27/05 08:06	-	12/27/05 08:11	1: OV	96.500 /	40.000	(141.25%)	Process Equipment Probs	Repaired Process E
12/27/05 08:12	-	12/27/05 08:17	1: OV	96.600 /	40.000	(141.50%)	Process Equipment Probs	Repaired Process E
12/27/05 08:18	-	12/27/05 08:23	1: OV	96.400 /	40.000	(141.00%)	Process Equipment Probs	Repaired Process E
12/27/05 08:24	-	12/27/05 08:29	1: OV	96.800 /	40.000	(142.00%)	Process Equipment Probs	Repaired Process E
12/27/05 08:30	-	12/27/05 08:35	1: OV	58.100 /	40.000	(45.25%)	Process Equipment Probs	Repaired Process E
12/28/05 13:00	-	12/28/05 13:05	1: OV	59.600 /	40.000	(49.00%)	Recalibration	GE Energy, Quarter
12/28/05 14:54	-	12/28/05 14:59	1: OV	75.500 /	40.000	(88.75%)	Recalibration	GE Energy, Quarter
12/28/05 15:00	-	12/28/05 15:05	1: OV	64.600 /	40.000	(61.50%)	Recalibration	GE Energy, Quarter

Total Reported Time: 2208.0 hours

TOTAL DURATION = 1.10 hours

1: Over limit = 1.10 hours
3: Startup = 0.10 hours
6: Process Equipment Probs = 0.70 hours
14: Recalibration = 0.30 hours

Kevin B. Coker
Plant Manager

KOPPERS

RECEIVED
FEB 28 2005
Dept. of Environmental Quality
Office of Pollution Control

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584 ext. 11
Fax 662 226 4588
CokerKB@koppers.com
www.koppers.com

February 24, 2005

CERTIFIED MAIL 7002 0460 0003 7596 5282

Azzam Abu-Mirshid
MS Dept. of Environmental Quality
Air Facilities Branch
P.O. Box 10385
Jackson, MS 39289-0385

Grenada co.

Subject: Title V Operating Permit - # 0960-00012
Semi-Annual Air Report July - December, 2004 (Supplement)
Koppers, Inc. – Grenada, Mississippi

Dear Azzam,

Enclosed please find supplemental information concerning the July through December 2004 semi annual air report submitted to your office January 31, 2005. Per your request wood waste feed rates for the boiler have been calculated. The following rates represent averages taken from each month. Sample lots of ten one-hour fuel feed usage rates were used in computing each month's average.

July	Average fuel usage= 2,386 lbs/Hr
August	Average fuel usage= 1,682 lbs/Hr
September	Average fuel usage= 2,416 lbs/Hr
October	Average fuel usage= 2,164 lbs/Hr
November	Average fuel usage= 2,738 lbs/Hr
December	Average fuel usage= 3,680 lbs/Hr

As you can see based on these averages we consistently fall well below our permitted limit of 15,500 lbs/Hr.

If you have any questions, please call me at 662-226-4584 (ext. 11).

Sincerely,

Kevin B. Coker
Plant Manager

Cc: Tim Basilone, CSG – Pittsburgh, PA
Enclosures

July 2004	TIME		CELL 1	CELL 2	TOTAL
	End Time	9:00 AM	27615	55051	
7/9/2004	**Begin Time**	8:00 AM	27588	55111	
			27	60	87
	End Time	3:00 PM	30766	60544	
7/12/2004	**Begin Time**	2:00 PM	30743	60266	
			23	284	307
	End Time	2:00 AM	33650	64475	
7/14/2004	**Begin Time**	1:00 AM	33622	64400	
			28	75	103
	End Time	11:00 AM	36052	67378	
7/16/2004	**Begin Time**	10:00 AM	35983	67290	
			69	88	157
	End Time	3:00 PM	37145	68680	
7/19/2004	**Begin Time**	2:00 PM	37145	68559	
			0	121	121
	End Time	12:00 AM	39152	71310	
7/20/2004	**Begin Time**	11:00 PM	39119	71242	
			33	68	101
	End Time	9:00 AM	39580	71892	
7/21/2004	**Begin Time**	8:00 AM	39522	71874	
			58	18	76
	End Time	1:00 PM	46535	79744	
7/27/2004	**Begin Time**	12:00 PM	46470	79671	
			56	73	129
	End Time	2:00 PM	48731	81998	
7/29/2004	**Begin Time**	1:00 PM	48695	81982	
			36	16	52
	End Time	10:00 AM	50805	84301	
7/31/2004	**Begin Time**	9:00 AM	50766	84280	
			39	21	60

1193/10 = 119.3
119.3 (20) = **2,386 LBS/HR**

2511 lbs/hr 6 Mo Ave

Aug 2004	TIME		CELL 1	CELL 2	TOTAL
~~8-6-04~~	End Time	9:00 pm	56993	91994	
	Begin Time	8:00 pm	56943	91921	
			50	73	123
~~8-10-04~~	End Time	1:00pm	60904	96609	
	Begin Time	12:00pm	60865	96557	
			39	52	91
~~8-21-04~~	End Time	2:00 pm	73623	111801	
	Begin Time	1:00pm	73590	111765	
			33	36	69
~~8-24-04~~	End Time	10:00 AM	76232	115023	
	Begin Time	9:00 AM	76186	114981	
			46	42	88
~~8-4-04~~	End Time	3:00 AM	55266	89824	
	Begin Time	2:00 AM	55229	89776	
			37	49	86
~~8-2-04~~	End Time	8:00AM	53021	86631	
	Begin Time	7:00AM	53020	86631	
			1	0	1
~~8-7-04~~	End Time	~~12:00AM~~	58230	93422	
	Begin Time	11:00pm	58161	93369	
			69	73	142
~~8-29-04~~	End Time	10:00AM	80703	120188	
	Begin Time	9:00AM	80684	120175	
			19	13	32
~~8-9-04~~	End Time	6:00AM	60512	96185	
	Begin Time	5:00AM	60463	96134	
			49	51	100
~~8-12-04~~	End Time	11:00AM	63005	99102	
	Begin Time	10:00AM	62951	99047	
			54	55	109

841/10 1682/HR
84.1 (20)

1193/10 = 119.3

119.3 (20) = **2,386 LBS/HR**

Sept 2004	TIME		CELL 1	CELL 2	TOTAL
9-2-04	End Time	3:00pm	86248	126173	
	Begin Time	2:00pm	86220	126140	
			28	33	61
9-8-04	End Time	10:00 AM	89504	129973	
	Begin Time	9:00AM	89439	129903	
			65	70	135
9-15-04	End Time	8:00AM	95402	136473	
	Begin Time	7:00AM	95351	136418	
			51	55	106
9-18-04	End Time	1:00pm	99143	141134	
	Begin Time	12:00pm	99101	141081	
			42	53	95
9-21-04	End Time	11:00AM	102652	145334	
	Begin Time	10:00 AM	102594	145209	
			58	125	183
9-23-04	End Time	4:00pm	105706	149147	
	Begin Time	3:00pm	105643	149069	
			63	78	141
9-25-04	End Time	9:00 AM	108139	152074	
	Begin Time	8:00AM	108201	152044	
			62	30	92
9-27-04	End Time	2:00pm	111411	155807	
	Begin Time	1:00pm	111318	155698	
			93	109	202
9-29-04	End Time	12:00 pm	112801	158775	
	Begin Time	11:00Am	112724	158737	
			77	38	115
9-10-04	End Time	9:00AM	92108	132890	
	Begin Time	8:00 AM	92067	132853	
			41	37	78

1208/10 2416 lbs/Hr
120.8 (20)

1193/10 = 119.3
119.3 (20) = **2,386 LBS/HR**

Oct 2004	TIME		CELL 1	CELL 2	TOTAL
10-5-04	End Time	12:00pm	1344	7544	
	Begin Time	11:00AM	1290	7490	
			54	54	108
10-8-04	End Time	3:00pm	5612	12074	
	Begin Time	2:00pm	5555	12002	
			57	72	129
10-12-04	End Time	1:00pm	11573	18842	
	Begin Time	12:00pm	11517	18782	
			56	60	116
10-15-04	End Time	2:00pm	15563	23291	
	Begin Time	1:00pm	15522	23244	
			41	47	88
10-18-04	End Time	4:00pm	17808	25970	
	Begin Time	3:00pm	17752	25904	
			56	66	122
10-20-04	End Time	9:00AM	20251	28758	
	Begin Time	8:00AM	20210	28711	
			41	47	88
10-23-04	End Time	10:00AM	24181	33611	
	Begin Time	9:00AM	24130	33555	
			51	56	107
10-26-04	End Time	11:00AM	27828	37686	
	Begin Time	10:00AM	27760	37616	
			68	70	138
10-29-04	End Time	4:00pm	32801	43062	
	Begin Time	3:00pm	32747	43005	
			54	57	111
10-31-04	End Time	12:00pm	34792	45806	
	Begin Time	11:00AM	34757	45766	
			35	40	75

1082/10 = 108.2 2,164 lbs/Hr
108.2 (20)

1193/10 = 119.3
119.3 (20) = **2,386 LBS/HR**

Nov 2004	TIME		CELL 1	CELL 2	TOTAL
~~11-7-04~~	End Time	3:00 AM	9400	10352	
	Begin Time	2:00 AM	9349	10294	
			51	58	109
~~11-9-04~~	End Time	12:00 AM	12255	13261	
	Begin Time	11:00 pm	12182	13188	
			73	73	146
~~11-12-04~~	End Time	8:00 pm	16571	17853	
	Begin Time	7:00 pm	16516	17799	
			55	54	109
~~11-16-04~~	End Time	11:00 pm	19575	21010	
	Begin Time	10:00 pm	19473	20901	
			102	109	211
~~11-18-04~~	End Time	5:00 AM	22493	24918	
	Begin Time	4:00 AM	22428	24842	
			65	76	137
~~11-22-04~~	End Time	10:00 AM	23966	26597	
	Begin Time	9:00 AM	23959	26589	
			7	8	15
~~11-23-04~~	End Time	9:00 pm	26543	29437	
	Begin Time	8:00 pm	26462	29285	
			91	152	243
~~11-24-04~~	End Time	8:00 AM	27198	30012	
	Begin Time	7:00 AM	27124	29971	
			74	41	115
~~11-29-04~~	End Time	4:00 AM	29733	32602	
	Begin Time	3:00 AM	29642	32514	
			91	88	179
~~11-30-04~~	End Time	3:00 pm	30177	33462	
	Begin Time	2:00 pm	30128	33406	
			49	56	105

1369/10 = 136.9 (20) = 2,738 lbs/hr.

1193/10 = 119.3
119.3 (20) = **2,386 LBS/HR**

DEC 2004	TIME		CELL 1	CELL 2	TOTAL
~~12-1-04~~	End Time	11:00 AM	218	231	
	Begin Time	10:00 AM	145	144	
			73	87	160
~~12-3-04~~	End Time	1:00 AM	4679	5462	
	Begin Time	12:00 AM	4615	5383	
			64	79	143
~~12-7-04~~	End Time	6:00 AM	8115	9210	
	Begin Time	5:00 AM	8038	9132	
			77	78	155
~~12-10-04~~	End Time	7:00pm	13152	14770	
	Begin Time	6:00pm	13039	14653	
			113	117	230
~~12-13-04~~	End Time	10:00 AM	14098	15767	
	Begin Time	9:00 AM	14019	15680	
			79	87	245
~~12-16-04~~	End Time	10:00pm	20562	22951	
	Begin Time	9:00pm	20471	22850	
			181	101	282
~~12-19-04~~	End Time	12:00pm	25119	27928	
	Begin Time	11:00 AM	25069	27870	
			50	58	108
~~12-21-04~~	End Time	4:00 AM	29835	33092	
	Begin Time	3:00 AM	29768	33027	
			67	65	132
~~12-28-04~~	End Time	6:00pm	33587	36765	
	Begin Time	5:00pm	33494	36674	
			93	91	184
~~12-31-04~~	End Time	4:00pm	38568	42202	
	Begin Time	3:00pm	38501	42135	
			67	67	201

1840/10 = 184 (20) = 3,680 lbs/hr

1193/10 = 119.3
119.3 (20) = **2,386 LBS/HR**

Kevin B. Coker
Plant Manager

KOPPERS

RECEIVED
FEB - 3 2005
Dept. of Environmental Quality
Office of Pollution Control

DATA CODED

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584
Fax 662 226 4588
Cokerkb@koppers.com
www.koppers.com

January 31, 2005

CERTIFIED MAIL 7002 0460 0003 7596 1383

Mr. David Lee
MS Department of Environmental Qualilty
Air Facilities Branch
P.O. Box 10385
Jackson, MS 39289-0385

Grenada Co.

Subject: Title V Operating Permit - # 0960-00012
Semi-Annual Air Report July - December 2004
Koppers Inc. - Grenada Mississippi

Dear Mr. Lee:

Enclosed you will find the Continuous Emissions Monitoring (CEM) report for the subject period containing information concerning opacity emissions. Information provided in this report is for emission point AA-001, which is the Wellons wood-fired boiler. A second (backup) boiler at the site, emission point AA-002 which was an oil-fired boiler, has been replaced with a gas fired boiler. Neither of the two were operated during the subject reporting period.

The attached information reflects episodes of excess opacity emissions at AA-001. These episodes were primarily a result of start up attempts and preventive maintenance. Where applicable notification was not provided to your office because permitted start up and PM operations may produce emissions exceeding 40% opacity for up to 15 minutes in any one (1) hour period with three (3) start up attempts per 24 hour period. Further, soot blowing activities are allowed to range between 40 and 60% for 6 minutes in a given 24 hour period.

You received two letters the last six months addressing episodes at emission point AA-001. The first was issued on November 4, 2004 and dealt with an episode related to the malfunction of the plant's opacity meter. The second was issued on November 5th. It addressed an episode relating to a malfunction with a force draft fan.

As a result of a self audit three additional excursions were revealed. Two were associated with soot blowing on July 8 and September 15, and were recognized as excursion subsequent to a clarification request to the MDEQ. The letter addressing this request was sent on January 4th, 2005. The third excursion was associated with start-up activities on July 12. None of these three episodes have previously been reported.

Based on information obtained after reasonable inquiry, I believe the statements and information contained in this document are true, accurate and complete. If you have any questions, please call me at 662-226-4584 extension 11.

Sincerely,

Kevin B. Coker
Plant Manager

CC: Tim Basilone, CSG – Pittsburgh, PA
Enclosure

Enertec NTDahs®
Episode List Report
Koppers Industries
Tie Plant Road
Tie Plant, Miss. 38960
from 07/01/04 00:00 to 09/30/04 23:59
Generated: 01/31/2005
Types: OVER

POLLUTANT: Opac EPISODE: Excess_Opacity

Incident Start		Incident End	Type	Value	/ Limit	(%dev)	Reason	Action
07/02/04 19:48	-	07/02/04 19:53	1: OV	52.517	/ 40.000	(31.29%)	Startup	No Action Needed
07/07/04 08:42	-	07/07/04 08:47	1: OV	41.300	/ 40.000	(3.25%)	Startup	No Action Needed
07/07/04 08:48	-	07/07/04 08:53	1: OV	62.167	/ 40.000	(55.42%)	Startup	No Action Needed
07/07/04 10:30	-	07/07/04 10:35	1: OV	40.017	/ 40.000	(0.04%)	Startup	No Action Needed
07/07/04 12:42	-	07/07/04 12:47	1: OV	49.900	/ 40.000	(24.75%)	Startup	No Action Needed
07/07/04 13:42	-	07/07/04 13:47	1: OV	56.483	/ 40.000	(41.21%)	Known Excess Cause	Blowing soot
07/08/04 09:36	-	07/08/04 09:41	1: OV	63.483	/ 40.000	(58.71%)	Startup	No Action Needed
07/08/04 09:54	-	07/08/04 09:59	1: OV	50.617	/ 40.000	(26.54%)	Startup	No Action Needed
07/08/04 10:54	-	07/08/04 10:59	1: OV	88.083	/ 40.000	(120.21%)	Preventive Maintenance	Blowing soot
07/09/04 10:12	-	07/09/04 10:17	1: OV	42.450	/ 40.000	(6.13%)	Startup	No Action Needed
07/12/04 08:54	-	07/12/04 08:59	1: OV	51.383	/ 40.000	(28.46%)	Startup	No Action Needed
07/12/04 09:18	-	07/12/04 09:23	1: OV	47.833	/ 40.000	(19.58%)	Startup	No Action Needed
07/12/04 09:24	-	07/12/04 09:29	1: OV	71.333	/ 40.000	(78.33%)	Startup	No Action Needed
07/12/04 09:30	-	07/12/04 09:35	1: OV	49.383	/ 40.000	(23.46%)	Startup	No Action Needed
07/12/04 09:36	-	07/12/04 09:41	1: OV	64.883	/ 40.000	(62.21%)	Startup	No Action Needed
07/12/04 10:00	-	07/12/04 10:05	1: OV	59.400	/ 40.000	(48.50%)	Startup	No Action Needed
07/12/04 10:06	-	07/12/04 10:11	1: OV	62.483	/ 40.000	(56.21%)	Startup	No Action Needed
07/12/04 10:36	-	07/12/04 10:41	1: OV	42.817	/ 40.000	(7.04%)	Preventive Maintenance	Blowing Soot
07/20/04 08:48	-	07/20/04 08:53	1: OV	45.667	/ 40.000	(14.17%)	Startup	No Action Needed
07/25/04 12:42	-	07/25/04 12:47	1: OV	45.433	/ 40.000	(13.58%)	Preventive Maintenance	Blowing soot
07/26/04 16:06	-	07/26/04 16:11	1: OV	56.550	/ 40.000	(41.38%)	Preventive Maintenance	Blowing soot
07/27/04 11:30	-	07/27/04 11:35	1: OV	40.750	/ 40.000	(1.88%)	Preventive Maintenance	Blowing soot
08/10/04 09:12	-	08/10/04 09:17	1: OV	47.183	/ 40.000	(17.96%)	Startup	No Action Needed
08/12/04 08:36	-	08/12/04 08:41	1: OV	45.983	/ 40.000	(14.96%)	Startup	No Action Needed
09/02/04 11:48	-	09/02/04 11:53	1: OV	66.317	/ 40.000	(65.79%)	Startup	pulling ash
09/02/04 12:00	-	09/02/04 12:05	1: OV	42.983	/ 40.000	(7.46%)	Startup	No Action Needed
09/15/04 15:42	-	09/15/04 15:47	1: OV	41.417	/ 40.000	(3.54%)	Preventive Maintenance	Blowing soot
09/15/04 15:48	-	09/15/04 15:53	1: OV	43.600	/ 40.000	(9.00%)	Preventive Maintenance	Blowing soot
09/15/04 15:54	-	09/15/04 15:59	1: OV	42.183	/ 40.000	(5.46%)	Preventive Maintenance	Blowing soot
09/25/04 09:12	-	09/25/04 09:17	1: OV	45.667	/ 40.000	(14.17%)	Preventive Maintenance	Blowing soot

Total Reported Time: 2208.0 hours

TOTAL DURATION = 3.00 hours

1: Over limit = 3.00 hours
~~3: Startup = 2.00 hours~~
9: Known Excess Cause = 0.10 hours
15: Preventive Maintenance = 0.90 hours

Enertec NTDahs®
Episode List Report
Koppers Industries
Tie Plant Road
Tie Plant, Miss. 38960
from 10/01/04 00:00 to 12/31/04 23:59
Generated: 01/31/2005
Types: OVER

POLLUTANT: Opac EPISODE: Excess_Opacity

Incident Start	Incident End	Type	Value	/ Limit	(%dev)	Reason	Action
10/06/04 15:36	10/06/04 15:41	1: OV	46.550 /	40.000	(16.38%)	Preventive Maintenance	Blowing soot
10/18/04 10:30	10/18/04 10:35	1: OV	54.400 /	40.000	(36.00%)	Preventive Maintenance	Blowing soot
10/23/04 08:36	10/23/04 08:41	1: OV	57.883 /	40.000	(44.71%)	Preventive Maintenance	Blowing soot
11/02/04 02:18	11/02/04 02:23	1: OV	65.183 /	40.000	(62.96%)	Startup	No Action Needed
11/04/04 04:18	11/04/04 04:23	1: OV	54.133 /	40.000	(35.33%)	Startup	No Action Needed
11/04/04 04:54	11/04/04 04:59	1: OV	48.867 /	40.000	(22.17%)	Startup	No Action Needed
11/04/04 06:18	11/04/04 06:23	1: OV	48.783 /	40.000	(21.96%)	Startup	Other Mechanical C
11/04/04 06:30	11/04/04 06:35	1: OV	44.000 /	40.000	(10.00%)	Startup	Other Mechanical C
11/04/04 06:36	11/04/04 06:41	1: OV	49.933 /	40.000	(24.83%)	Startup	Other Mechanical C
11/04/04 06:48	11/04/04 06:53	1: OV	57.633 /	40.000	(44.08%)	Startup	Other Mechanical C
11/04/04 18:12	11/04/04 18:17	1: OV	53.583 /	40.000	(33.96%)	Known Excess Cause	Blowing Soot
11/04/04 18:24	11/04/04 18:29	1: OV	53.000 /	40.000	(32.50%)	Startup	No Action Needed
11/04/04 18:30	11/04/04 18:35	1: OV	48.900 /	40.000	(22.25%)	Startup	No Action Needed
11/08/04 13:42	11/08/04 13:47	1: OV	40.183 /	40.000	(0.46%)	Preventive Maintenance	Blowing soot
12/21/04 08:54	12/21/04 08:59	1: OV	40.200 /	40.000	(0.50%)	Startup	No Action Needed
12/23/04 09:36	12/23/04 09:41	1: OV	44.483 /	40.000	(11.21%)	Startup	No Action Needed

Total Reported Time: 2208.0 hours

TOTAL DURATION = 1.60 hours

1: Over limit = 1.60 hours
3: Startup = 1.10 hours
9: Known Excess Cause = 0.10 hours
15: Preventive Maintenance = 0.40 hours

Thomas L. Henderson
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584 ext. 11
Fax 662 226 4588
HendersonTL@koppers.com
www.koppers.com

July 27, 2004

CERTIFIED MAIL 7002 0460 0003 7596 0775

Mr. David Lee
MS Dept. of Environmental Quality
Air Facilities Branch
P.O. Box 10385
Jackson, MS 39289-0385

Subject: Title V Operating Permit - # 0960-00012
Semi-Annual Air Report January – June, 2004
Koppers, Inc. – Grenada, Mississippi

Dear Mr. Lee,

Enclosed you will find the Continuous Emissions Monitoring (CEM) report for the subject period containing information concerning opacity emissions. Information provided in this report is for emission point AA-001, which is the Wellons wood-fired boiler. A second (backup) boiler at the site, emission point AA-002 which is an oil-fired boiler, was not operated during the subject reporting period.

The attached information reflects episodes of excess opacity emissions at AA-001. These episodes were primarily a result of start up attempts and preventive maintenance. Notification was <u>not</u> provided to your office because permitted start up and PM operations may produce emissions exceeding 40% opacity for up to 15 minutes in any one (1) hour period with three (3) start up attempts per 24 hour period.

You were notified by telephone on October 27, 2003 at 2:37 PM and informed that the opacity monitor was not operating and that visual readings would be obtained periodically and recorded until the unit was repaired. A letter dated October 30, 2003 was sent to you indicating that the system had been repaired and was operating.

On November 3, 2003 the opacity monitoring system had failed, and you were notified by telephone of this incident at 3:49 PM. A letter dated November 4, 2003 was sent to you advising of this incident. At that time our service provider mobilized to the site to repair the monitoring system. Following their inspection of the equipment, it was determined that repairs would be difficult to perform due to the age and (lack of) availability of replacement parts. It was also determined that replacement of the system would be a cost effective alternative, as opposed to making necessary repairs. At that time, we decided to purchase a new opacity monitoring system to replace the existing equipment. You were notified of this decision by telephone on November 5, 2003 and advised that until the new equipment was installed, we would obtain and record visual opacity readings in lieu of the readings from opacity monitoring system.

Visual opacity readings have been made and recorded throughout the period that the opacity monitoring system was not operating. Attached are visual emissions monitoring records for the wood fired boiler (AA-001) during this period January 6th thru March 31st. Visual emissions were read until the new opacity monitor was installed, calibrated, and certified by the vendor on March 30, 2004. A copy of this certification is also provided in this report.

You were notified of one excursion which occurred during the period covered. On June 29th, Blair Simpson contacted you by phone and discussed with you three episodes that occurred on June 28th. A follow up letter was also sent June 29th describing the events which caused this exceedence.

If you have any questions, please call me at 662-226-4584 extension 11.

Sincerely,

Thomas L. Henderson

Thomas L. Henderson
Plant Manager

Cc: Tim Basilone, CSG – Pittsburgh, PA
Enclosures

Kevin B. Coker
Plant Manager

KOPPERS

Koppers Inc.
Utility Poles and Piling
P. O. Box 160
Tie Plant, MS 38960
Tel 662 226 4584 ext. 11
Fax 662 226 4588
cokerkb@koppers.com
www.koppers.com

July 22, 2005

CERTIFIED MAIL 7002 0460 0003 7596 1611

Mr. David Lee
MS Dept. of Environmental Quality
Air Facilities Branch
P.O. Box 10385
Jackson, MS 39289-0385

Grenada CO.

Subject: Title V Operating Permit - # 0960-00012
Semi-Annual Air Report January – June, 2005
Koppers, Inc. – Grenada, Mississippi

Dear Mr. Lee:

Enclosed you will find the Continuous Emissions Monitoring (CEM) report for the subject period containing information concerning opacity emissions. Information provided in this report is for emission point AA-001 which is the Wellons wood-fired boiler. A second (backup) boiler at the site, emission point AA-002 which is a natural gas fired boiler, was operated for brief periods during its instillation and while serving in a back-up capacity to the Wellons boiler.

The attached information printed from the plant's CEM system reflects episodes of excess opacity emissions at AA-001.

A list of excursions that occurred during the subject period that were reported to you or your office is as follows:

March 3, 2005 – Written notice (certified mail No. 7002 0460 0003 7596 1413) of this excursion was sent on March 7, 2005 to you with details about the excursion and corrective actions.

March 4, 2005 – Written notice (certified mail No. 7002 0460 0003 7596 1413) of this excursion was sent to you on March 7, 2005 whereby the Opacity Monitoring System failed and visual opacity readings were recorded. No instances of opacity excursions were noted during the visual observations.

March 8, 2005 – Written notice (certified mail No. 7002 0460 0003 7596 1437) of this excursion was sent on March 11, 2005 to you with details about the excursion and corrective actions.

April 11, 2005 – Written notice (certified mail No. 7002 0460 0003 7596 1475) of this excursion was sent on April 15, 2005 to Azzam Abu-Mirshid with details about the excursion and corrective actions.

June 7, 2005 – Written notice (certified mail No. 7002 0460 0003 7596 1550) of this excursion was sent on June 9, 2005 to you with details about the excursion and corrective actions.

A list of episodes whereby opacity was greater than 40% but <u>not</u> meeting the reporting requirements detailed in Section 3 of the plant's permit are as follows:

March 15, 2005 – This episode occurred as a result of GE Energy services performing maintenance to the opacity monitor and was not a result of boiler operations. The boiler was not in operation at the time of the servicing.

March 21, 2005 – This episode occurred as a result of a start-up of the boiler and was less than the fifteen minutes allowed for a startup.

March 29, 2005 – This episode occurred as a result of a start-up of the boiler and was less than the fifteen minutes allowed for a startup.

April 8, 2005 – This episode occurred as a result of a start-up of the boiler and was less than the fifteen minutes allowed for a startup.

June 15, 2005 – This episode occurred as a result of GE Energy services performing quarterly maintenance to the opacity monitor and was not a result of boiler operations.

Based on information and belief formed after reasonable inquiry, the statements and information in this document are true, accurate, and complete.

If you have any questions, please call me at 662-226-4584 extension 11.

Sincerely,

Kevin B. Coker
Plant Manager

Cc: Patrick Stark, CSG – Pittsburgh, PA
Enclosures

Enertec NTDans®
Episode List Report
Koppers Industries
Tie Plant Road
Tie Plant, Miss. 38960
from 01/01/05 00:00 to 03/31/05 23:59
Generated: 07/14/2005
Types: OVER

POLLUTANT: Opac EPISODE: Excess_Opacity

Incident Start	Incident End	Type	Value	/ Limit	(%dev)	Reason	Action
03/03/05 08:48	03/03/05 08:53	1: OV	43.700	40.000	(9.25%)	Recalibration	Recalibrated Analy
03/03/05 10:00	03/03/05 10:05	1: OV	71.600	40.000	(79.00%)	Recalibration	Recalibrated Analy
03/03/05 10:06	03/03/05 10:11	1: OV	97.800	40.000	(144.50%)	Recalibration	Recalibrated Analy
03/03/05 10:42	03/03/05 10:47	1: OV	95.400	40.000	(138.50%)	Recalibration	Recalibrated Analy
03/03/05 10:48	03/03/05 10:53	1: OV	42.100	40.000	(5.25%)	Recalibration	Recalibrated Analy
03/08/05 16:24	03/08/05 16:29	1: OV	46.800	40.000	(17.00%)	Startup	No Action Taken
03/08/05 16:42	03/08/05 16:47	1: OV	66.500	40.000	(66.25%)	Startup Continued	No Action Taken
03/08/05 16:48	03/08/05 16:53	1: OV	48.700	40.000	(21.75%)	Startup Continued	No Action Taken
03/08/05 17:00	03/08/05 17:05	1: OV	46.000	40.000	(15.00%)	Startup Continued	No Action Taken
03/08/05 17:06	03/08/05 17:11	1: OV	49.600	40.000	(24.00%)	Startup Continued	No Action Taken
03/08/05 17:12	03/08/05 17:17	1: OV	58.100	40.000	(45.25%)	Startup Continued	No Action Taken
03/15/05 09:48	03/15/05 09:53	1: OV	96.500	40.000	(141.25%)	Corrective Maintenance	Working on opacity
03/15/05 10:00	03/15/05 10:05	1: OV	43.000	40.000	(7.50%)	Corrective Maintenance	Working on opacity
03/15/05 10:06	03/15/05 10:11	1: OV	96.000	40.000	(140.00%)	Corrective Maintenance	Working on opacity
03/15/05 12:18	03/15/05 12:23	1: OV	48.700	40.000	(21.75%)	Corrective Maintenance	Working on opacity
03/15/05 12:24	03/15/05 12:29	1: OV	67.900	40.000	(69.75%)	Corrective Maintenance	Working on opacity
03/15/05 14:30	03/15/05 14:35	1: OV	50.300	40.000	(25.75%)	Corrective Maintenance	Working on opacity
03/15/05 14:36	03/15/05 14:41	1: OV	47.100	40.000	(17.75%)	Corrective Maintenance	Working on opacity
03/15/05 14:42	03/15/05 14:47	1: OV	46.800	40.000	(17.00%)	Corrective Maintenance	Working on opacity
03/15/05 14:48	03/15/05 14:53	1: OV	42.800	40.000	(7.00%)	Corrective Maintenance	Working on opacity
03/21/05 07:36	03/21/05 07:41	1: OV	41.100	40.000	(2.75%)	Startup	No Action Needed
03/29/05 08:36	03/29/05 08:41	1: OV	41.000	40.000	(2.50%)	Startup	No Action Needed

Total Reported Time: 2160.0 hours

TOTAL DURATION = 2.20 hours

1: Over limit = 2.20 hours
- 3: Startup = 0.30 hours
- 4: Startup Continued = 0.50 hours
- 14: Recalibration = 0.50 hours
- 20: Corrective Maintenance = 0.90 hours

Enertec NTDahs®
Episode List Report
Koppers Industries
Tie Plant Road
Tie Plant, Miss. 38960
from 04/01/05 00:00 to 06/30/05 23:59
Generated: 07/14/2005
Types: OVER

POLLUTANT: Opac EPISODE: Excess_Opacity

Incident Start	Incident End	Type	Value	/ Limit	(%dev)	Reason	Action
04/08/05 10:48	- 04/08/05 10:53	1: OV	53.200 /	40.000	(33.00%)	Startup	Repaired Process E
04/11/05 19:54	- 04/11/05 19:59	1: OV	46.500 /	40.000	(16.25%)	Other/Known Excess Cause	Other Corrective A
04/11/05 22:24	- 04/11/05 22:29	1: OV	41.600 /	40.000	(4.00%)	Other/Known Excess Cause	Other Corrective A
06/07/05 18:06	- 06/07/05 18:11	1: OV	41.400 /	40.000	(3.50%)	Other/Known Excess Cause	Sudden Change in F
06/15/05 10:54	- 06/15/05 10:59	1: OV	42.100 /	40.000	(5.25%)	Recalibration	GE Energy Services

Total Reported Time: 2184.0 hours

TOTAL DURATION = 0.50 hours

1: Over limit = 0.50 hours
3: Startup = 0.10 hours
9: Other/Known Excess Cause = 0.30 hours
14: Recalibration = 0.10 hours

RECEIVED
JUL 27 2005
Dept. of Environmental Quality
Office of Pollution Control

JACK BATTE & SONS, INC
221 SCR 35-9
FOREST, MS 39074
601-536-3736 PHONE
601-536-3168 FAX

July 27, 2005

Certified Mail No.: 70042890000018949661

Mr. Don Watts, Chief
Environmental Compliance & Enforcement Division
Mississippi Department of Environmental Quality
Office of Pollution Control
P.O. Box 10385
Jackson, Mississippi 39289-0385

Re: Title V Semi–Annual Report
Reporting Period – January 1, 2005 through June 30, 2005
Jack Batte and Sons, Inc.
Forest, Scott County, Mississippi
Permit No. 2500-00012

Dear Mr. Watts:

In accordance with Title V Permit Condition 5.A.4, Jack Batte an[d] semi-annual report of any required monitoring for the preceding comply with the specific monitoring and recordkeeping requir[...] 5.B.2, and 5.B.4, I have attached boiler fuel records, steam p[...] lumber production records for January 1, 2005 through June [...] enclosed records of visible emissions evaluations (VEE) performed during this time period. Should you have any questions concerning this information please contact me at (601) 536-3736.

Azzam,
Task not on
activity log
S

Sincerely,

Bennie Batte

Bennie Batte
President

Attachments

Responsible Official

As required by Mississippi Title V Air Regulations, APC-S-6, Section II.E., I (the authorized responsible official) certify, based on the information and belief formed after reasonable inquiry, the statements and information contained in this submittal are true, accurate, and complete.

Bennie Batte

Bennie Batte, President
Jack Batte and Sons, Inc.

Date

STEAM METER READINGS & LUMBER PRODUCTION 2005

JANUARY 01 - JANUARY 31 2005

BOILER #	DAY END METER READING	DAY BEGIN METER READING	LBS OF STEAM PER DAY	STEAM EFFICIENCY 65%	BTU PER LB STEAM	BTU PERDAY	BTU PER LB FUEL	LBS FUEL PER DAY	TONS FUEL PER DAY	TOTAL TONS OF DUST USED	DAILY LUMBER PRODUCED	RAINFALL IN INCHES
1	260394600	260230800	163800	221130	1009	223120170	4500	49582.26	24.79113			
2	176627100	176514500	112600	152010	1009	153378090	4500	34084.02	17.04201	41.83314	0	0
1	260566300	260394600	171700	231795	1009	233881155	4500	51973.59	25.98680			
2	176694440	176627100	67340	90909	1009	91727181	4500	20383.818	10.19191	36.178704	0	0
1	260739360	260566300	173060	233631	1009	235733679	4500	52385.262	26.19263			
2	176763340	176694440	68900	93015	1009	93852135	4500	20856.03	10.42802	36.620646	197600	0
1	260914690	260739360	175330	236695.5	1009	238825759.5	4500	53072.391	26.53620			
2	176909220	176763340	145880	196938	1009	198710442	4500	44157.876	22.07894	48.6151335	193736	0
1	261063640	260914690	148950	201082.5	1009	202892242.5	4500	45087.165	22.54358			
2	177084510	176909220	175290	236641.5	1009	238771273.5	4500	53060.283	26.53014	49.073724	194271	0
1	261229999	261063640	166359	224584.65	1009	226605911.9	4500	50356.8693	25.17843			
2	177261210	177084510	176700	238545	1009	240691905	4500	53487.09	26.74355	51.92197965	152928	0.5
1	261398710	261229999	168711	227759.85	1009	229809688.7	4500	51068.8197	25.53441			
2	177435360	177261210	174150	235102.5	1009	237218422.5	4500	52715.205	26.35760	51.89201235	160858	0
1	261544420	261398710	145710	196708.5	1009	198478876.5	4500	44106.417	22.05321			
2	177625060	177435360	189700	256095	1009	258399855	4500	57422.19	28.71110	50.7643035	0	0.5
1	261688990	261544420	144570	195169.5	1009	196926025.5	4500	43761.339	21.88067			
2	177816360	177625060	191300	258255	1009	260579295	4500	57906.51	28.95326	50.8339245	0	0.25
1	261837280	261688990	148290	200191.5	1009	201993223.5	4500	44887.383	22.44369			
2	178016090	177816360	199730	269635.5	1009	272062219.5	4500	60458.271	30.22914	52.672827	191214	0.5
1	261945860	261837280	108580	146583	1009	147902247	4500	32867.166	16.43358			
2	178173480	178016090	157390	212476.5	1009	214388788.5	4500	47641.953	23.82098	40.2545595	150611	0
1	261997410	261945860	51550	69592.5	1009	70218832.5	4500	15604.185	7.80209			
2	178341510	178173480	168030	226840.5	1009	228882064.5	4500	50862.681	25.43134	33.233433	184310	0
1	262171820	261997410	174410	235453.5	1009	237572581.5	4500	52793.907	26.39695			
2	178505845	178341510	164335	221852.25	1009	223848920.3	4500	49744.2045	24.87210	51.26905575	199600	2.25
1	262334920	262171820	163100	220185	1009	222166665	4500	49370.37	24.68519			
2	178692380	178505845	186535	251822.25	1009	254088650.3	4500	56464.1445	28.23207	52.91725725	160297	0
1	262515740	262334920	180820	244107	1009	246303963	4500	54734.214	27.36711			
2	178860680	178692380	168300	227205	1009	229249845	4500	50944.41	25.47221	52.839312	0	0
1	262697630	262515740	181890	245551.5	1009	247761463.5	4500	55058.103	27.52905			
2	179028280	178860680	167600	226260	1009	228296340	4500	50732.52	25.36626	52.8953115	0	0
1	262883510	262697630	185880	250938	1009	253196442	4500	56265.876	28.13294			
2	179201180	179028280	172900	233415	1009	235515735	4500	52336.83	26.16842	54.301353	131901	0
1	263057340	262883510	173830	234670.5	1009	236782534.5	4500	52618.341	26.30917			
2	179396670	179201180	195490	263911.5	1009	266286703.5	4500	59174.823	29.58741	55.896582	192043	0
1	263237270	263057340	179930	242905.5	1009	245091649.5	4500	54464.811	27.23241			
2	179558870	179396670	162200	218970	1009	220940730	4500	49097.94	24.54897	51.7813755	176897	0
1	263415870	263237270	178600	241110	1009	243279990	4500	54062.22	27.03111			
2	179739160	179558870	180290	243391.5	1009	245582023.5	4500	54573.783	27.28689	54.3180015	177142	0

STEAM METER READINGS & LUMBER PRODUCTION 2005

FEBRUARY 01 - FEBRUARY 28 2005

BOILER #	DAY END METER READING	DAY BEGIN METER READING	LBS OF STEAM PER DAY	STEAM EFFICIENCY 65%	BTU PER LB STEAM	BTU PERDAY	BTU PER LB FUEL	LBS FUEL PER DAY	TONS FUEL PER DAY	TOTAL TONS OF DUST USED	DAILY LUMBER PRODUCED	RAINFALL IN INCHES
1	265408110	265304010	104100	140535	1009	141799815	4500	31511.07	15.755535			
2	181705390	181560430	144960	195696	1009	197457264	4500	43879.392	21.93970	37.695231	174540	2
1	265532560	265408110	124450	168007.5	1009	169519567.5	4500	37671.015	18.83551			
2	181841930	181705390	136540	184329	1009	185987961	4500	41330.658	20.66533	39.5008365	172891	0
1	265675080	265532560	142520	192402	1009	194133618	4500	43140.804	21.57040			
2	182006650	181841930	164720	222372	1009	224373348	4500	49860.744	24.93037	46.500774	159274	0
1	265837500	265675080	162420	219267	1009	221240403	4500	49164.534	24.58227			
2	182181250	182006650	174600	235710	1009	237831390	4500	52851.42	26.42571	51.007977	185904	0
1	266002000	265837500	164500	222075	1009	224073675	4500	49794.15	24.89708			
2	182336650	182181250	155400	209790	1009	211678110	4500	47039.58	23.51979	48.416865	142530	0
1	266165800	266002000	163800	221130	1009	223120170	4500	49582.26	24.79113			
2	182501050	182336650	164400	221940	1009	223937460	4500	49763.88	24.88194	49.67307	0	0
1	266344500	266165800	178700	241245	1009	243416205	4500	54092.49	27.04625			
2	182635500	182501050	134450	181507.5	1009	183141067.5	4500	40698.015	20.34901	47.3952525	195678	1.75
1	266528320	266344500	183820	248157	1009	250390413	4500	55642.314	27.82116			
2	182779330	182635500	143830	194170.5	1009	195918034.5	4500	43537.341	21.76867	49.5898275	190621	0
1	266701940	266528320	173620	234387	1009	236496483	4500	52554.774	26.27739			
2	182926550	182779330	147220	198747	1009	200535723	4500	44563.494	22.28175	48.559134	199001	0
1	266850340	266701940	148400	200340	1009	202143060	4500	44920.68	22.46034			
2	183088150	182926550	161600	218160	1009	220123440	4500	48916.32	24.45816	46.9185	159712	0
1	267001140	266850340	150800	203580	1009	205412220	4500	45647.16	22.82358			
2	183262160	183088150	174010	234913.5	1009	237027721.5	4500	52672.827	26.33641	49.1599935	164805	0
1	267152180	267001140	151040	203904	1009	205739136	4500	45719.808	22.85990			
2	183419300	183262160	157140	212139	1009	214048251	4500	47566.278	23.78314	46.643043	0	0
1	267309880	267152180	157700	212895	1009	214811055	4500	47735.79	23.86790			
2	183580050	183419300	160750	217012.5	1009	218965612.5	4500	48659.025	24.32951	48.1974075	0	2
1	267481020	267309880	171140	231039	1009	233118351	4500	51804.078	25.90204			
2	183743710	183580050	163660	220941	1009	222929469	4500	49539.882	24.76994	50.67198	182258	0.1
1	267623680	267481020	142660	192591	1009	194324319	4500	43183.182	21.59159			
2	183899030	183743710	155320	209682	1009	211569138	4500	47015.364	23.50768	45.099273	152341	0
1	267783980	267623680	160300	216405	1009	218352645	4500	48522.81	24.26141			
2	184049780	183899030	150750	203512.5	1009	205344112.5	4500	45632.025	22.81601	47.0774175	179308	0
1	267971740	267783980	187760	253476	1009	255757284	4500	56834.952	28.41748			
2	184210595	184049780	160815	217100.25	1009	219054152.3	4500	48678.7005	24.33935	52.75682625	188595	0
1	268167800	267971740	196060	264681	1009	267063129	4500	59347.362	29.67368			
2	184369840	184210595	159245	214980.75	1009	216915576.8	4500	48203.4615	24.10173	53.77541175	148071	0
1	268329650	268167800	161850	218497.5	1009	220463977.5	4500	48991.995	24.49600			
2	184519990	184369840	150150	202702.5	1009	204526822.5	4500	45450.405	22.72520	47.2212	0	0
1	268501760	268329650	172110	232348.5	1009	234439636.5	4500	52097.697	26.04885			
2	184685490	184519990	165500	223425	1009	225435825	4500	50096.85	25.04843	51.0972735	0	0

STEAM METER READINGS & LUMBER PRODUCTION 2005

MARCH 01 - MARCH 31 2005

BOILER #	DAY END METER READING	DAY BEGIN METER READING	LBS OF STEAM PER DAY	STEAM EFFICIENCY 65%	BTU PER LB STEAM	BTU PERDAY	BTU PER LB FUEL	LBS FUEL PER DAY	TONS FUEL PER DAY	TOTAL TONS OF DUST USED	DAILY LUMBER PRODUCED	RAINFALL IN INCHES
1	270076360	269921180	155180	209493	1009	211378437	4500	46972.986	23.486493			
2	185754480	185641590	112890	152401.5	1009	153773113.5	4500	34171.803	17.08590	40.5723945	182991	0
1	270249860	270076360	173500	234225	1009	236333025	4500	52518.45	26.25923			
2	185905340	185754480	150860	203661	1009	205493949	4500	45665.322	22.83266	49.091886	171166	0
1	270433710	270249860	183850	248197.5	1009	250431277.5	4500	55651.395	27.82570			
2	186038030	185905340	132690	179131.5	1009	180743683.5	4500	40165.263	20.08263	47.908329	144482	0
1	270610680	270433710	176970	238909.5	1009	241059685.5	4500	53568.819	26.78441			
2	186198390	186038030	160360	216486	1009	218434374	4500	48540.972	24.27049	51.0548955	125748	0
1	270780480	270610680	169800	229230	1009	231293070	4500	51398.46	25.69923			
2	186355990	186198390	157600	212760	1009	214674840	4500	47705.52	23.85276	49.55199	0	0
1	270948780	270780480	168300	227205	1009	229249845	4500	50944.41	25.47221			
2	186512380	186355990	156390	211126.5	1009	213026638.5	4500	47339.253	23.66963	49.1418315	0	0
1	271123000	270948780	174220	235197	1009	237313773	4500	52736.394	26.36820			
2	186674000	186512380	161620	218187	1009	220150683	4500	48922.374	24.46119	50.829384	175071	1
1	271308540	271123000	185540	250479	1009	252733311	4500	56162.958	28.08148			
2	186838690	186674000	164690	222331.5	1009	224332483.5	4500	49851.663	24.92583	53.0073105	197644	0
1	271493020	271308540	184480	249048	1009	251289432	4500	55842.096	27.92105			
2	187023960	186838690	185270	250114.5	1009	252365530.5	4500	56081.229	28.04061	55.9616625	207458	0
1	271658560	271493020	165540	223479	1009	225490311	4500	50108.958	25.05448			
2	187191820	187023960	167860	226611	1009	228650499	4500	50811.222	25.40561	50.46009	191123	0
1	271812160	271658560	153600	207360	1009	209226240	4500	46494.72	23.24736			
2	187343590	187191820	151770	204889.5	1009	206733505.5	4500	45940.779	22.97039	46.2177495	174009	0
1	271981670	271812160	169510	228838.5	1009	230898046.5	4500	51310.677	25.65534			
2	187486150	187343590	142560	192456	1009	194188104	4500	43152.912	21.57646	47.2317945	0	0
1	272150470	271981670	168800	227880	1009	229930920	4500	51095.76	25.54788			
2	187629250	187486150	143100	193185	1009	194923665	4500	43316.37	21.65819	47.206065	0	0.5
1	272322180	272150470	171710	231808.5	1009	233894776.5	4500	51976.617	25.98831			
2	187777690	187629250	148440	200394	1009	202197546	4500	44932.788	22.46639	48.4547025	167560	0.25
1	272500250	272322180	178070	240394.5	1009	242558050.5	4500	53901.789	26.95089			
2	187945050	187777690	167360	225936	1009	227969424	4500	50659.872	25.32994	52.2808305	180840	0.5
1	272663290	272500250	163040	220104	1009	222084936	4500	49352.208	24.67610			
2	188144550	187945050	199500	269325	1009	271748925	4500	60388.65	30.19433	54.870429	167900	0.25
1	272839130	272663290	175840	237384	1009	239520456	4500	53226.768	26.61338			
2	188437110	188144550	292560	394956	1009	398510604	4500	88557.912	44.27896	70.89234	200600	0
1	273015870	272839130	176740	238599	1009	240746391	4500	53499.198	26.74960			
2	188731150	188437110	294040	396954	1009	400526586	4500	89005.908	44.50295	71.252553	188000	0
1	273190570	273015870	174700	235845	1009	237967605	4500	52881.69	26.44085			
2	188896950	188731150	165800	223830	1009	225844470	4500	50187.66	25.09383	51.534675	0	0.25
1	273364420	273190570	173850	234697.5	1009	236809777.5	4500	52624.395	26.31220			
2	189061690	188896950	164740	222399	1009	224400591	4500	49866.798	24.93340	51.2455965	0	0.5

STEAM METER READINGS & LUMBER PRODUCTION 2005												
APRIL 01 - APRIL 30 2005												
BOILER #	DAY END METER READING	DAY BEGIN METER READING	LBS OF STEAM PER DAY	STEAM EFFICIENCY 65%	BTU PER LB STEAM	BTU PERDAY	BTU PER LB FUEL	LBS FUEL PER DAY	TONS FUEL PER DAY	TOTAL TONS OF DUST USED	DAILY LUMBER PRODUCED	RAINFALL IN INCHES
1	275482740	275292820	189920	256392	1009	258699528	4500	57488.784	28.744392			
2	191372350	191202420	169930	229405.5	1009	231470149.5	4500	51437.811	25.71891	54.4632975	172072	0
1	275663140	275482740	180400	243540	1009	245731860	4500	54607.08	27.30354			
2	191548650	191372350	176300	238005	1009	240147045	4500	53366.01	26.68301	53.986545	0	1
1	275862290	275663140	199150	268852.5	1009	271272172.5	4500	60282.705	30.14135			
2	191748290	191548650	199640	269514	1009	271939626	4500	60431.028	30.21551	60.3568665	0	0.25
1	276056150	275862290	193860	261711	1009	264066399	4500	58681.422	29.34071			
2	191936660	191748290	188370	254299.5	1009	256588195.5	4500	57019.599	28.50980	57.8505105	173200	0
1	276246810	276056150	190660	257391	1009	259707519	4500	57712.782	28.85639			
2	192118680	191936660	182020	245727	1009	247938543	4500	55097.454	27.54873	56.405118	191739	0.25
1	276439330	276246810	192520	259902	1009	262241118	4500	58275.804	29.13790			
2	192292290	192118680	173610	234373.5	1009	236482861.5	4500	52551.747	26.27587	55.4137755	166846	3
1	276622830	276439330	183500	247725	1009	249954525	4500	55545.45	27.77273			
2	192451760	192292290	159470	215284.5	1009	217222060.5	4500	48271.569	24.13578	51.9085095	143903	0
1	276776009	276622830	153179	206791.65	1009	208652774.9	4500	46367.2833	23.18364			
2	192643190	192451760	191430	258430.5	1009	260756374.5	4500	57945.861	28.97293	52.15657215	150891	0
1	276918789	276776009	142780	192753	1009	194487777	4500	43219.506	21.60975			
2	192866720	192643190	223530	301765.5	1009	304481389.5	4500	67662.531	33.83127	55.4410185	0	0
1	277060359	276918789	141570	191119.5	1009	192839575.5	4500	42853.239	21.42662			
2	193091160	192866720	224440	302994	1009	305720946	4500	67937.988	33.96899	55.3956135	0	0.25
1	277205580	277060359	145221	196048.35	1009	197812785.2	4500	43958.3967	21.97920			
2	193319530	193091160	228370	308299.5	1009	311074195.5	4500	69127.599	34.56380	56.54299785	189269	1.5
1	277380550	277205580	174970	236209.5	1009	238335385.5	4500	52963.419	26.48171			
2	193555590	193319530	236060	318681	1009	321549129	4500	71455.362	35.72768	62.2093905	209903	0
1	277558020	277380550	177470	239584.5	1009	241740760.5	4500	53720.169	26.86008			
2	193762290	193555590	206700	279045	1009	281556405	4500	62568.09	31.28405	58.1441295	203295	0
1	277738360	277558020	180340	243459	1009	245650131	4500	54588.918	27.29446			
2	193934860	193762290	172570	232969.5	1009	235066225.5	4500	52236.939	26.11847	53.4129285	211818	0
1	277913370	277738360	175010	236263.5	1009	238389871.5	4500	52975.527	26.48776			
2	194139730	193934860	204870	276574.5	1009	279063670.5	4500	62014.149	31.00707	57.494838	193614	0
1	278095070	277913370	181700	245295	1009	247502655	4500	55000.59	27.50030			
2	194337570	194139730	197840	267084	1009	269487756	4500	59886.168	29.94308	57.443379	0	0
1	278275200	278095070	180130	243175.5	1009	245364079.5	4500	54525.351	27.26268			
2	194535940	194337570	198370	267799.5	1009	270209695.5	4500	60046.599	30.02330	57.285975	0	0
1	278460730	278275200	185530	250465.5	1009	252719689.5	4500	56159.931	28.07997			
2	194738490	194535940	202550	273442.5	1009	275903482.5	4500	61311.885	30.65594	58.735908	200407	0
1	278640690	278460730	179960	242946	1009	245132514	4500	54473.892	27.23695			
2	194967620	194738490	229130	309325.5	1009	312109429.5	4500	69357.651	34.67883	61.9157715	202259	0
1	278814970	278640690	174280	235278	1009	237395502	4500	52754.556	26.37728			
2	195181210	194967620	213590	288346.5	1009	290941618.5	4500	64653.693	32.32685	58.7041245	200713	0

STEAM METER READINGS & LUMBER PRODUCTION 2005

MAY 01 - MAY 31 2005

BOILER #	DAY END METER READING	DAY BEGIN METER READING	LBS OF STEAM PER DAY	STEAM EFFICIENCY 65%	BTU PER LB STEAM	BTU PERDAY	BTU PER LB FUEL	LBS FUEL PER DAY	TONS FUEL PER DAY	TOTAL TONS OF DUST USED	DAILY LUMBER PRODUCED	RAINFALL IN INCHES
1	280769690	280603750	165940	224019	1009	226035171	4500	50230.038	25.115019			
2	197783400	197574860	208540	281529	1009	284062761	4500	63125.058	31.56253	56.677548	0	0
1	280942740	280769690	173050	233617.5	1009	235720057.5	4500	52382.235	26.19112			
2	197995670	197783400	212270	286564.5	1009	289143580.5	4500	64254.129	32.12706	58.318182	199502	0
1	281126330	280942740	183590	247846.5	1009	250077118.5	4500	55572.693	27.78635			
2	198209230	197995670	213560	288306	1009	290900754	4500	64644.612	32.32231	60.1086525	194933	0
1	281401730	281126330	275400	371790	1009	375136110	4500	83363.58	41.68179			
2	198628340	198209230	419110	565798.5	1009	570890686.5	4500	126864.597	63.43230	105.1140885	212322	0
1	281482440	281401730	80710	108958.5	1009	109939126.5	4500	24430.917	12.21546			
2	198741590	198628340	113250	152887.5	1009	154263487.5	4500	34280.775	17.14039	29.355846	196727	0
1	281643650	281482440	161210	217633.5	1009	219592201.5	4500	48798.267	24.39913			
2	198894850	198741590	153260	206901	1009	208763109	4500	46391.802	23.19590	47.5950345	198365	0
1	281829950	281643650	186300	251505	1009	253768545	4500	56393.01	28.19651			
2	199115550	198894850	220700	297945	1009	300626505	4500	66805.89	33.40295	61.59945	0	0
1	282015590	281829950	185640	250614	1009	252869526	4500	56193.228	28.09661			
2	199337110	199115550	221560	299106	1009	301797954	4500	67066.212	33.53311	61.62972	0	0
1	282206310	282015590	190720	257472	1009	259789248	4500	57730.944	28.86547			
2	199561420	199337110	224310	302818.5	1009	305543866.5	4500	67898.637	33.94932	62.8147905	203902	0
1	282385190	282206310	178880	241488	1009	243661392	4500	54146.976	27.07349			
2	199795390	199561420	233970	315859.5	1009	318702235.5	4500	70822.719	35.41136	62.4848475	208663	0
1	282566030	282385190	180840	244134	1009	246331206	4500	54740.268	27.37013			
2	200014960	199795390	219570	296419.5	1009	299087275.5	4500	66463.839	33.23192	60.6020535	199490	0
1	282742760	282566030	176730	238585.5	1009	240732769.5	4500	53496.171	26.74809			
2	200236600	200014960	221640	299214	1009	301906926	4500	67090.428	33.54521	60.2932995	207013	0
1	282916540	282742760	173780	234603	1009	236714427	4500	52603.206	26.30160			
2	200375750	200236600	139150	187852.5	1009	189543172.5	4500	42120.705	21.06035	47.3619555	187442	0
1	283100080	282916540	183540	247779	1009	250009011	4500	55557.558	27.77878			
2	200550210	200375750	174460	235521	1009	237640689	4500	52809.042	26.40452	54.1833	0	0
1	283284810	283100080	184730	249385.5	1009	251629969.5	4500	55917.771	27.95889			
2	200726020	200550210	175810	237343.5	1009	239479591.5	4500	53217.687	26.60884	54.567729	0	0
1	283473980	283284810	189170	255379.5	1009	257677915.5	4500	57261.759	28.63088			
2	200904460	200726020	178440	240894	1009	243062046	4500	54013.788	27.00689	55.6377735	214380	0
1	283646710	283473980	172730	233185.5	1009	235284169.5	4500	52285.371	26.14269			
2	201110810	200904460	206350	278572.5	1009	281079652.5	4500	62462.145	31.23107	57.373758	192421	0
1	283822690	283646710	175980	237573	1009	239711157	4500	53269.146	26.63457			
2	201299460	201110810	188650	254677.5	1009	256969597.5	4500	57104.355	28.55218	55.1867505	227022	0
1	284039410	283822690	216720	292572	1009	295205148	4500	65601.144	32.80057			
2	201525490	201299460	226030	305140.5	1009	307886764.5	4500	68419.281	34.20964	67.0102125	213322	0
1	284216460	284039410	177050	239017.5	1009	241168657.5	4500	53593.035	26.79652			
2	201746790	201525490	221300	298755	1009	301443795	4500	66987.51	33.49376	60.2902725	180035	0

STEAM METER READINGS & LUMBER PRODUCTION 2005

JUNE 01 - JUNE 30 2005

BOILER #	DAY END METER READING	DAY BEGIN METER READING	LBS OF STEAM PER DAY	STEAM EFFICIENCY 65%	BTU PER LB STEAM	BTU PERDAY	BTU PER LB FUEL	LBS FUEL PER DAY	TONS FUEL PER DAY	TOTAL TONS OF DUST USED	DAILY LUMBER PRODUCED	RAINFALL IN INCHES
1	286299010	286171290	127720	172422	1009	173973798	4500	38660.844	19.330422			
2	204337190	204059980	277210	374233.5	1009	377601601.5	4500	83911.467	41.95573	61.2861555	230599	0
1	286476730	286299010	177720	239922	1009	242081298	4500	53795.844	26.89792			
2	204615910	204337190	278720	376272	1009	379658448	4500	84368.544	42.18427	69.082194	223175	0
1	286651370	286476730	174640	235764	1009	237885876	4500	52863.528	26.43176			
2	204872830	204615910	256920	346842	1009	349963578	4500	77769.684	38.88484	65.316606	210157	0
1	286845210	286651370	193840	261684	1009	264039156	4500	58675.368	29.33768			
2	205053310	204872830	180480	243648	1009	245840832	4500	54631.296	27.31565	56.653332	0	0.25
1	287037990	286845210	192780	260253	1009	262595277	4500	58354.506	29.17725			
2	205234850	205053310	181540	245079	1009	247284711	4500	54952.158	27.47608	56.653332	0	0.75
1	287235290	287037990	197300	266355	1009	268752195	4500	59722.71	29.86136			
2	205370848	205234850	135998	183597.3	1009	185249675.7	4500	41166.5946	20.58330	50.4446523	204159	1.5
1	287379640	287235290	144350	194872.5	1009	196626352.5	4500	43694.745	21.84737			
2	205510690	205370848	139842	188786.7	1009	190485780.3	4500	42330.1734	21.16509	43.0124592	211171	0
1	287565590	287379640	185950	251032.5	1009	253291792.5	4500	56287.065	28.14353			
2	205763190	205510690	252500	340875	1009	343942875	4500	76431.75	38.21588	66.3594075	190388	0.75
1	287741680	287565590	176090	237721.5	1009	239860993.5	4500	53302.443	26.65122			
2	206003110	205763190	239920	323892	1009	326807028	4500	72623.784	36.31189	62.9631135	209710	0.25
1	287915460	287741680	173780	234603	1009	236714427	4500	52603.206	26.30160			
2	206083940	206003110	80830	109120.5	1009	110102584.5	4500	24467.241	12.23362	38.5352235	189897	0
1	288097080	287915460	181620	245187	1009	247393683	4500	54976.374	27.48819			
2	206274480	206083940	190540	257229	1009	259544061	4500	57676.458	28.83823	56.326416	0	0
1	288279560	288097080	182480	246348	1009	248565132	4500	55236.696	27.61835			
2	206464300	206274480	189820	256257	1009	258563313	4500	57458.514	28.72926	56.347605	0	0
1	288463480	288279560	183920	248292	1009	250526628	4500	55672.584	27.83629			
2	206657970	206464300	193670	261454.5	1009	263807590.5	4500	58623.909	29.31195	57.1482465	221788	0
1	288644490	288463480	181010	244363.5	1009	246562771.5	4500	54791.727	27.39586			
2	206778970	206657970	121000	163350	1009	164820150	4500	36626.7	18.31335	45.7092135	199741	0
1	288821050	288644490	176560	238356	1009	240501204	4500	53444.712	26.72236			
~~2~~	~~206778970~~	~~206778970~~	~~0~~	~~0~~	~~1009~~	~~0~~	~~4500~~	~~0~~	~~0.00000~~	~~26.722356~~	~~196815~~	~~0~~
1	289003650	288821050	182600	246510	1009	248728590	4500	55273.02	27.63651			
2	206988690	206778970	209720	283122	1009	285670098	4500	63482.244	31.74112	59.377632	212170	0
1	289163290	289003650	159640	215514	1009	217453626	4500	48323.028	24.16151			
2	207191740	206988690	203050	274117.5	1009	276584557.5	4500	61463.235	30.73162	54.8931315	199417	0
1	289321490	289163290	158200	213570	1009	215492130	4500	47887.14	23.94357			
2	207411440	207191740	219700	296595	1009	299264355	4500	66503.19	33.25160	57.195165	0	0
1	289480630	289321490	159140	214839	1009	216772551	4500	48171.678	24.08584			
2	207632280	207411440	220840	298134	1009	300817206	4500	66848.268	33.42413	57.509973	0	0
1	289642210	289480630	161580	218133	1009	220096197	4500	48910.266	24.45513			
2	207836840	207632280	204560	276156	1009	278641404	4500	61920.312	30.96016	55.415289	223309	0

1	289886450	289642210	244240	329724	1009	332691516	4500	73931.448	36.96572			
2	208043480	207836840	206640	278964	1009	281474676	4500	62549.928	31.27496	68.240688	224685	0
1	290090810	289886450	204360	275886	1009	278368974	4500	61859.772	30.92989			
2	208281340	208043480	237860	321111	1009	324000999	4500	72000.222	36.00011	66.929997	198324	0
1	290316890	290090810	226080	305208	1009	307954872	4500	68434.416	34.21721			
2	208526770	208281340	245430	331330.5	1009	334312474.5	4500	74291.661	37.14583	71.3630385	210800	0
1	290385430	290316890	68540	92529	1009	93361761	4500	20747.058	10.37353			
2	208768290	208526770	241520	326052	1009	328986468	4500	73108.104	36.55405	46.927581	204036	0
1	290567860	290385430	182430	246280.5	1009	248497024.5	4500	55221.561	27.61078			
2	208991740	208768290	223450	301657.5	1009	304372417.5	4500	67638.315	33.81916	61.429938	0	0
1	290749560	290567860	181700	245295	1009	247502655	4500	55000.59	27.50030			
2	209216490	208991740	224750	303412.5	1009	306143212.5	4500	68031.825	34.01591	61.5162075	0	0
1	290937050	290749560	187490	253111.5	1009	255389503.5	4500	56753.223	28.37661			
2	209445440	209216490	228950	309082.5	1009	311864242.5	4500	69303.165	34.65158	63.028194	209133	0
1	291114920	290937050	177870	240124.5	1009	242285620.5	4500	53841.249	26.92062			
2	209666790	209445440	221350	298822.5	1009	301511902.5	4500	67002.645	33.50132	60.421947	215943	0
1	291290360	291114920	175440	236844	1009	238975596	4500	53105.688	26.55284			
2	209880760	209666790	213970	288859.5	1009	291459235.5	4500	64768.719	32.38436	58.9372035	225525	0
1	291465800	291290360	175440	236844	1009	238975596	4500	53105.688	26.55284			
2	210063850	209880760	182890	246901.5	1009	249123613.5	4500	55360.803	27.68040	54.2332455	195282	0
1			0	0	1009	0	4500	0	0.00000			
2			0	0	1009	0	4500	0	0.00000	0		0
TOTALS												
1	5294510		5294510	15252543		15389815887		3419959.1	1709.979543	1709.979543	4857065	
2	6003670		6003670									

MAINTENANCE: MONTHLY POLLUTION CONTROL EQUIPMENT MAINTENANCE LOG:

CYCLONES AND SEPARATORS INSPECTED AND CLEANED

6/15/05 Wednesday routine clean out on boiler #2, Repair boiler tubes and replace door gaskets,restarted 6/16/05 Thursday,

DOWNTIME: MILL RUNS 5 DAYS PER WEEK MONDAY THRU FRIDAY

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 6/29/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:37	2:42	120	5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	88°	88°
Discharge temperture	446°	462°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	10	10	10
1	10	10	0	0
2	0	0	0	10
3	10	10	10	10
4	10	0	0	0
5	0	0	0	10
0				
1				
2				
3				
4				
5				
0				
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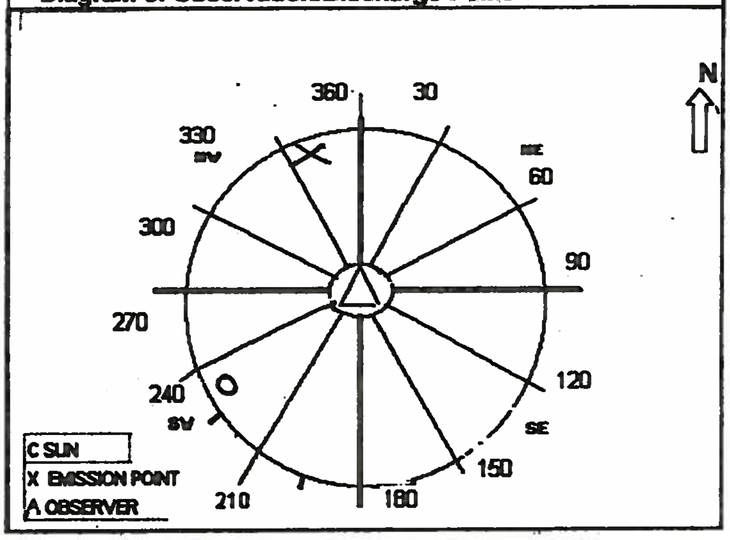
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 6/29/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:45	2:50	130	5.4

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	88°	88°
Discharge temperture	514°	469°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	10	10
2	10	10	10	10
3	10	10	10	10
4	10	10	10	0
5	0	0	0	0
0				
1				
2				
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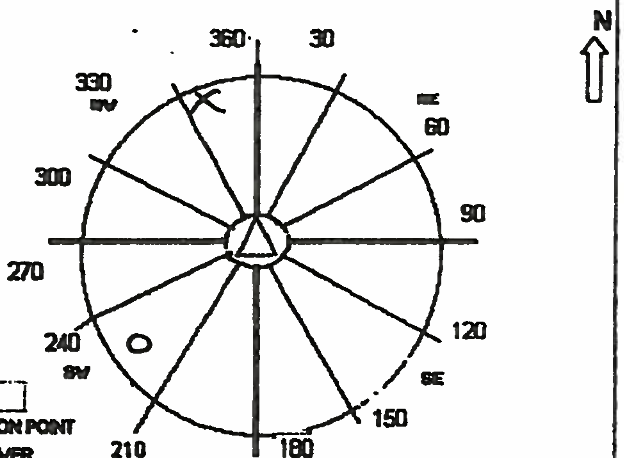
5				

Diagram of Observation/Discharge Point



C SUN
X EMISSION POINT
A OBSERVER

Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp cyclone
Date: 6/29/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: /23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	2:54	2:59	0	0

	Initial	Final
Distance to discharge	70'	70'
Height of observation point	-4	-4
Height of discharge	140'	140'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	88°	88°
Discharge temperture	88°	88°
Sky conditions	Clear	Clear

	Seconds			
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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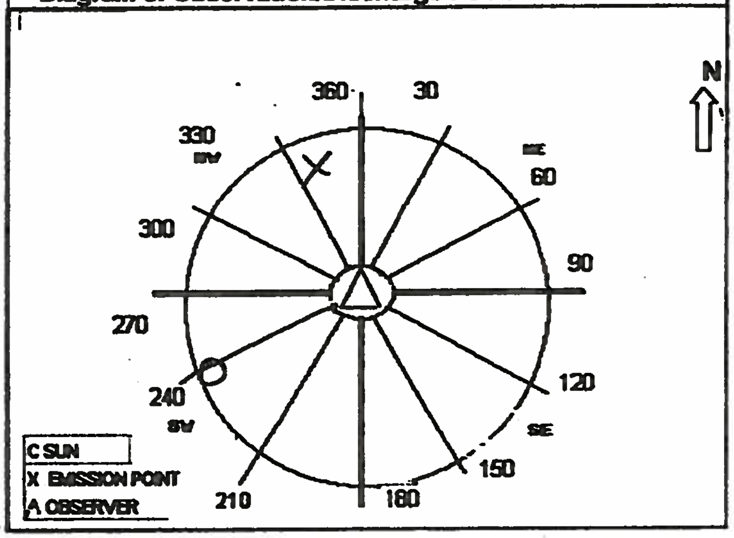
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-8

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

Date: 6/29/05

Is emission point operation normal? yes

V.E. Observer: [illegible]

Certification Expiration: /23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	3:08	3:13	0	0

	Initial	Final
Distance to discharge	60'	60'
Height of observation point	0	0
Height of discharge	120'	120'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	88°	88°
Discharge temperture	88°	88°
Sky conditions	Clear	Clear

	Seconds			
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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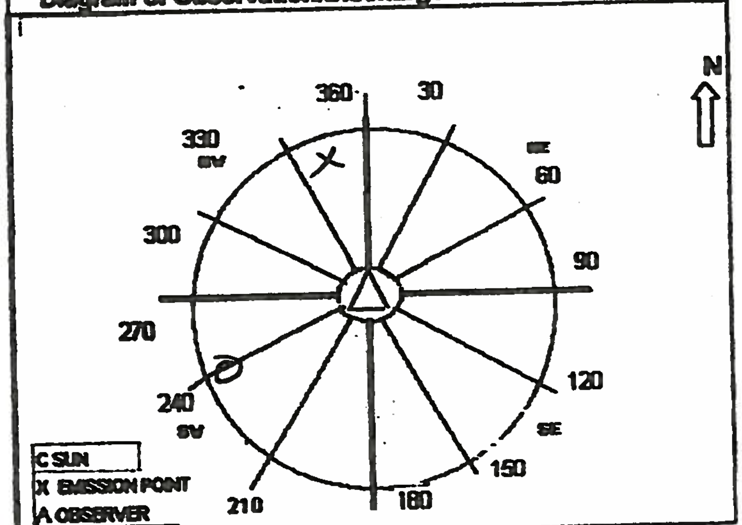
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 6/29/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: /23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	3:20	3:25	0	0

	Initial	Final
Distance to discharge	130'	130'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3 mph	3 mph
Ambient temperture	88°	88°
Discharge temperture	88°	88°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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4				
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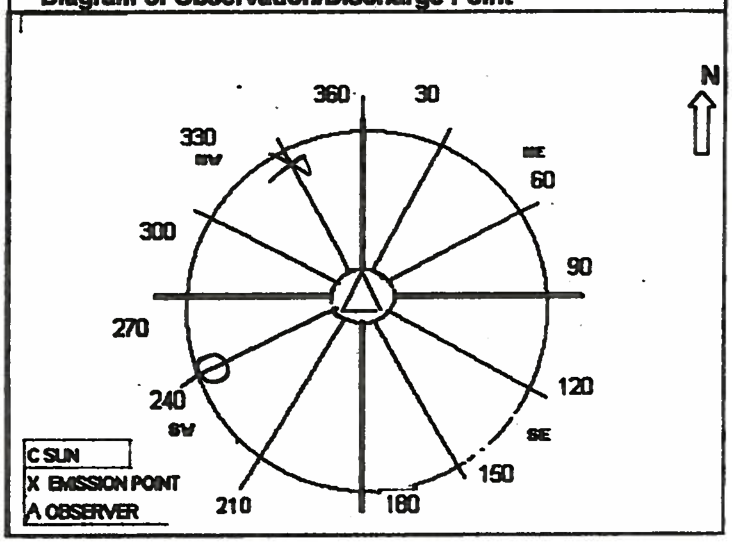
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [illegible]
Certification Expiration: [illegible]/23/05

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 6/29/05
Is emission point operation normal? yes

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:29	3:34	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	Sw	Sw
Wind speed	3mph	3mph
Ambient temperture	88°	88°
Discharge temperture	88°	88°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
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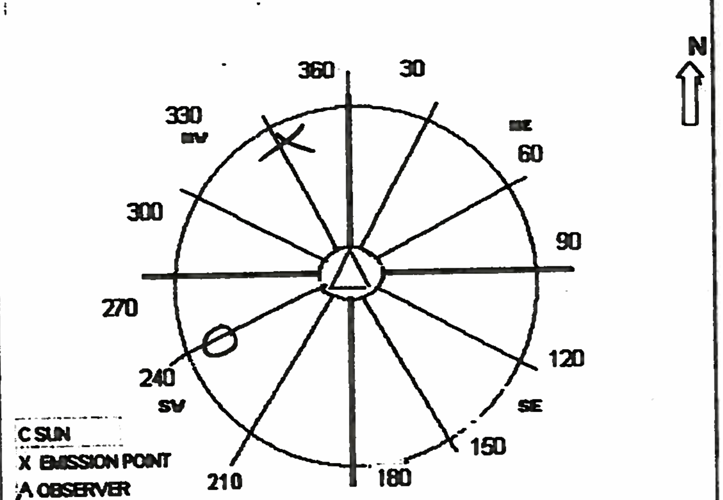
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-009 Portable Chipper

Date: 6/29/05

Is emission point operation normal?________

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

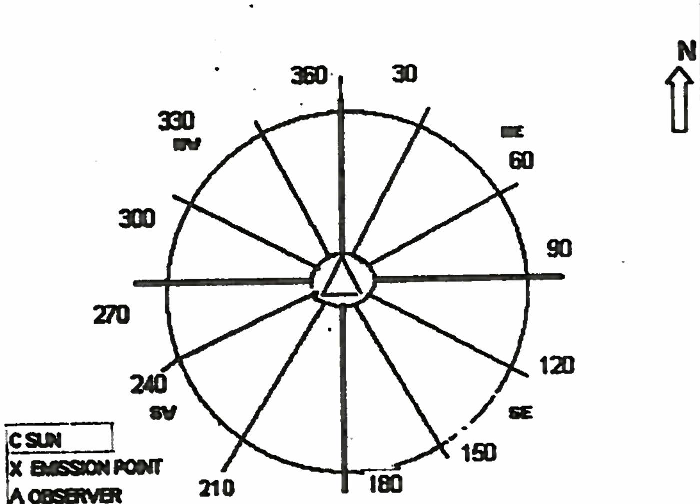
V.E. Observer: [illegible signature]

Certification Expiration: __/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: NoT in operation

0 emissions

Received by:________

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 6/23/05
Is emission point operation normal? yes

V.E. Observer: [illegible signature]
Certification Expiration: [illegible]/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:35	8:40	120	5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	3 mph	3 mph
Ambient temperture	79°	79°
Discharge temperture	463°	487°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	10	10
2	10	10	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	10	10
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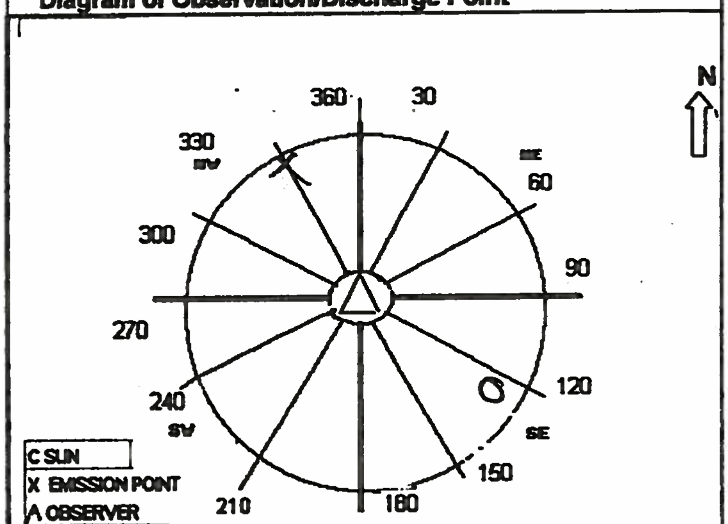
Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 6/23/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8144	8149	110	4.5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	3mph	3mph
Ambient temperture	79°	79°
Discharge temperture	503°	511°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	10	10	10
2	10	10	0	0
3	0	0	0	10
4	10	10	10	10
5	10	0	0	0
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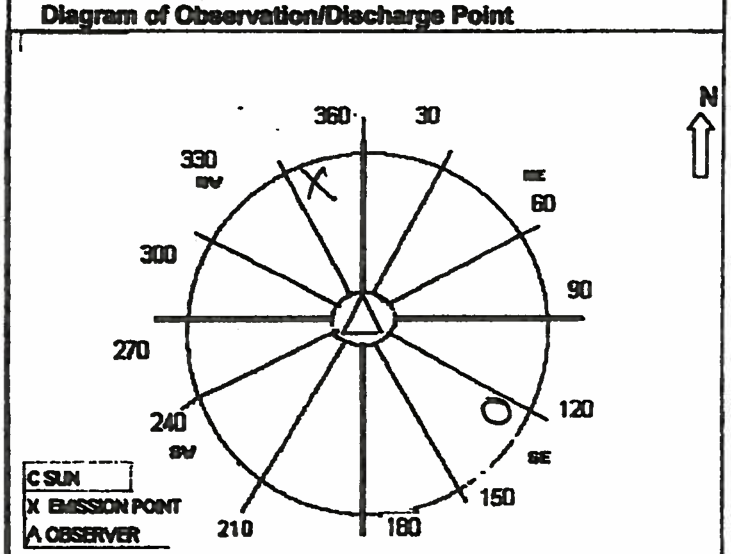
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 6/23/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: [illegible]/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:54	8:58	0	0

	Initial	Final
Distance to discharge	70'	70'
Height of observation point	-4	-4
Height of discharge	140'	140'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	3mph	3mph
Ambient temperture	79°	79°
Discharge temperture	79°	79°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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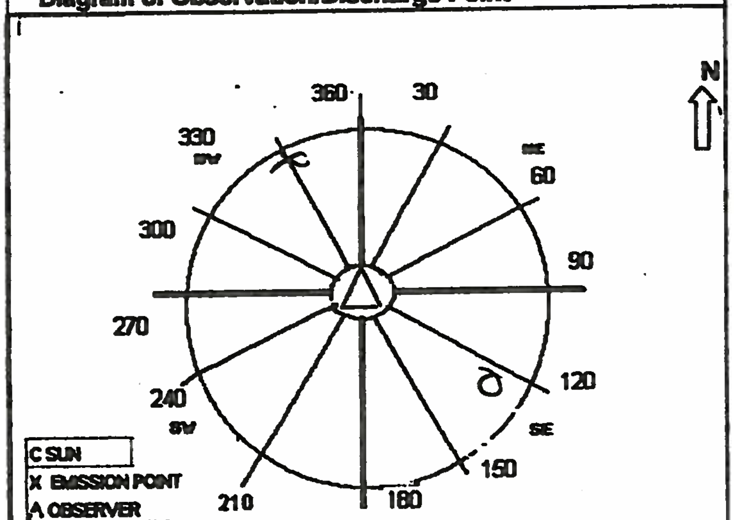
Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 6/23/05
Is emission point operation normal? yes

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	3mph	3mph
Ambient temperture	79°	79°
Discharge temperture	79°	79°
Sky conditions	Clear	Clear

V.E. Observer:
Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:07	9:12	0	0

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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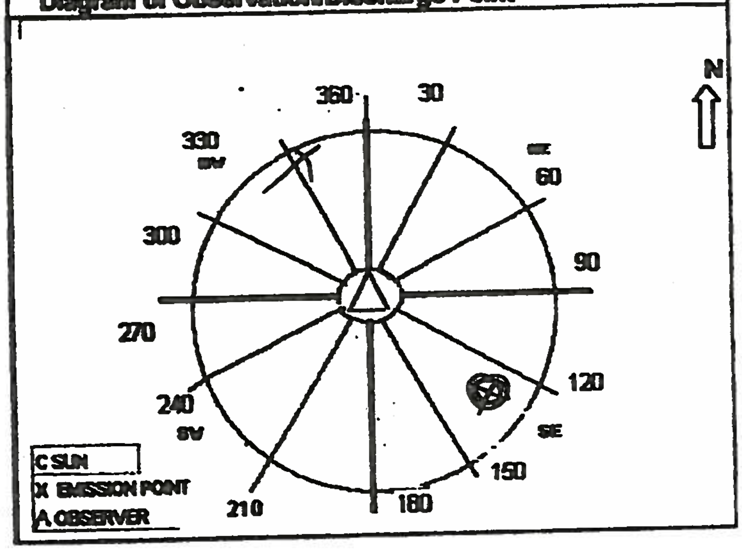
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-005 350hp Cyclone

Date: 6/23/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:17	9:22	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	3mph	3mph
Ambient temperture	79°	79°
Discharge temperture	79°	79°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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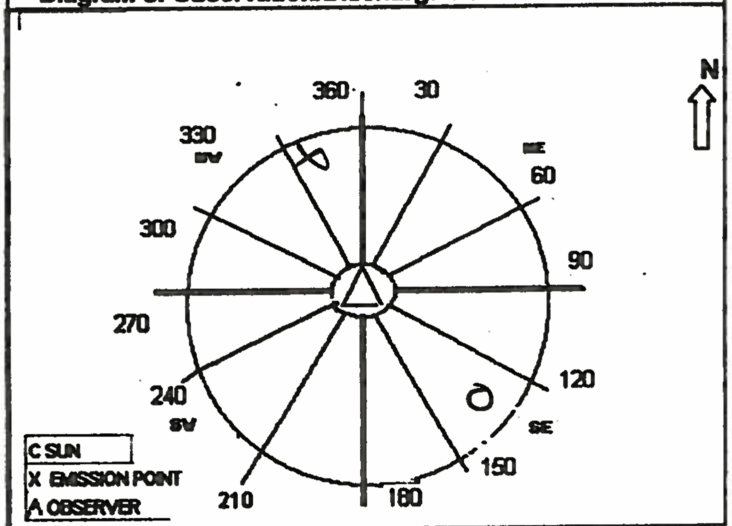
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 6/23/05
Is emission point operation normal? yes

V.E. Observer: [illegible signature]
Certification Expiration: [illegible]/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:34	9:39	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	3 mph	3 mph
Ambient temperture	79°	79°
Discharge temperture	79°	79°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
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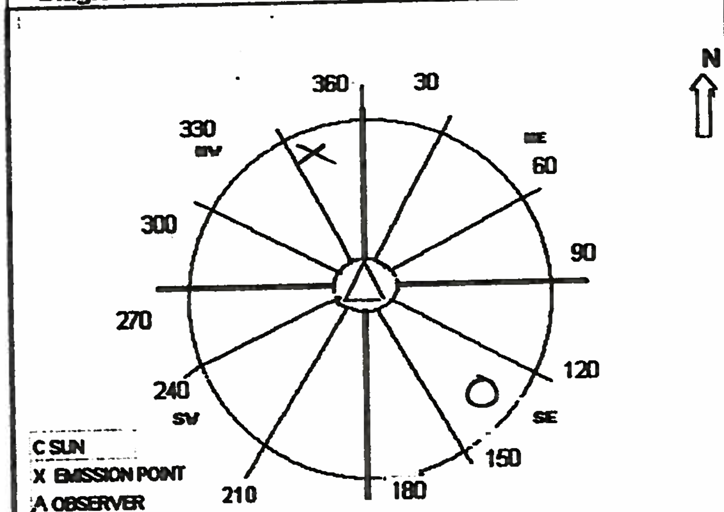
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 6/23/05
Is emission point operation normal? ____________

V.E. Observer: [illegible signature]
Certification Expiration: /23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
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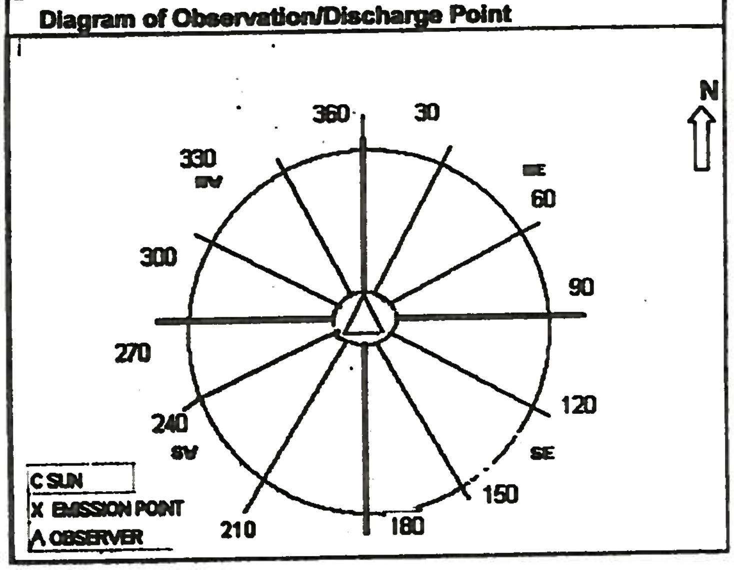
Diagram of Observation/Discharge Point



Remarks: Not in operation
0 emission

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 6/15/05
Is emission point operation normal? ______

V.E. Observer: [illegible signature]
Certification Expiration: [illegible]/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
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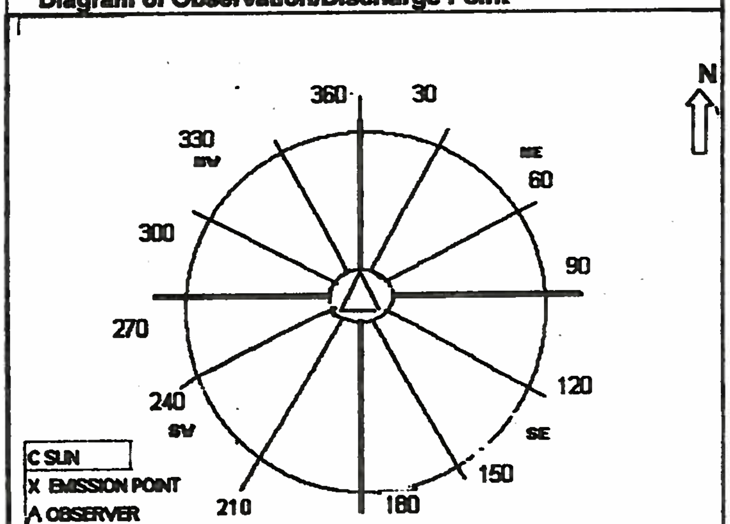
Diagram of Observation/Discharge Point



Remarks: NOT in operation

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 9/5/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:32	9:37	100	4.1

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3 mph	3 mph
Ambient temperture	80°	80°
Discharge temperture	505°	478°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	0	0
2	0	0	0	10
3	10	10	10	10
4	10	0	0	0
5	0	0	10	10
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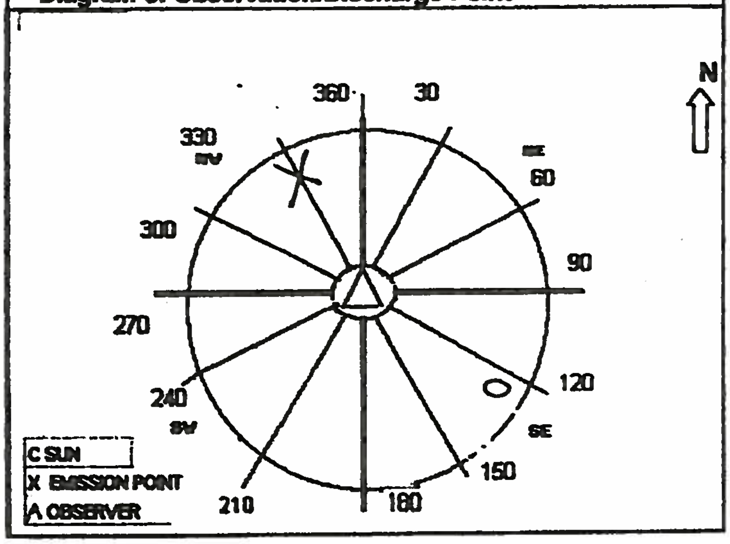
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 6/15/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: [redacted]/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:44	9:49	0	0

	Initial	Final
Distance to discharge	70'	70'
Height of observation point	-4	-4
Height of discharge	140'	140'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	80°	80°
Discharge temperture	80°	80°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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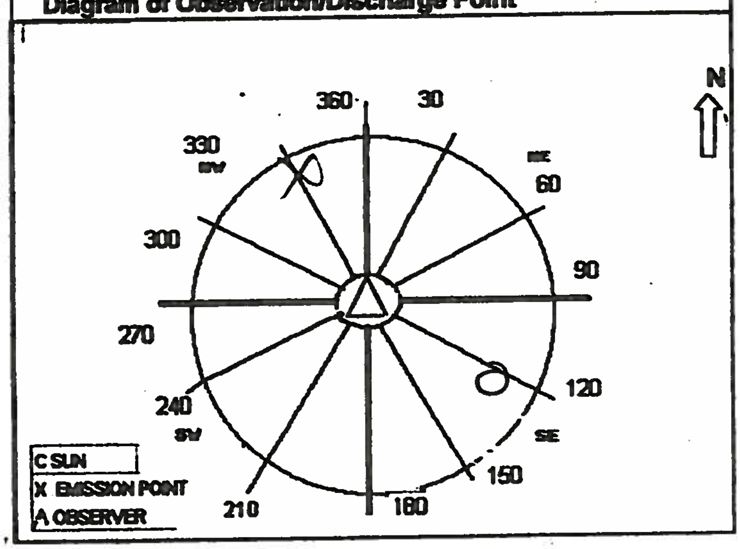
Diagram of Observation/Discharge Point



Remarks: ______________________

Received by: ______________________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 6/15/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 1/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:54	9:59	0	0

	Initial	Final
Distance to discharge	60'	60'
Height of observation point	0	0
Height of discharge	120'	120'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	80°	80°
Discharge temperture	80°	80°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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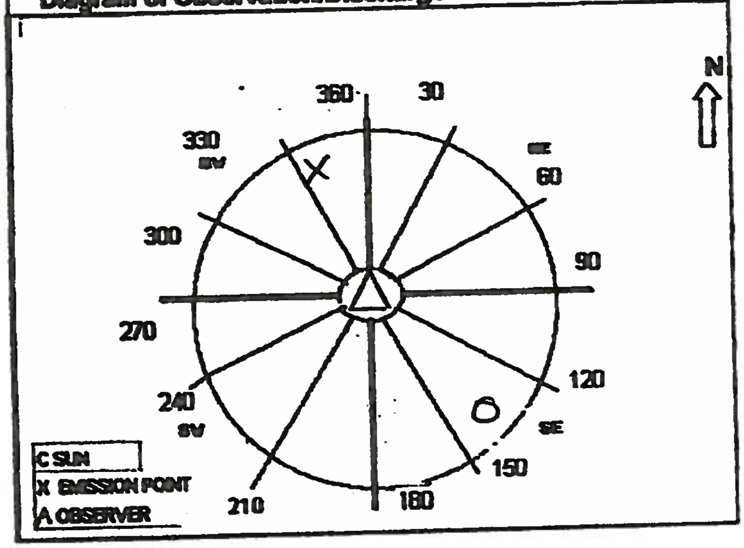
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 6/15/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: /23/05

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	80°	80°
Discharge temperture	80°	80°
Sky conditions	Clear	Clear

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:04	10:10	0	0

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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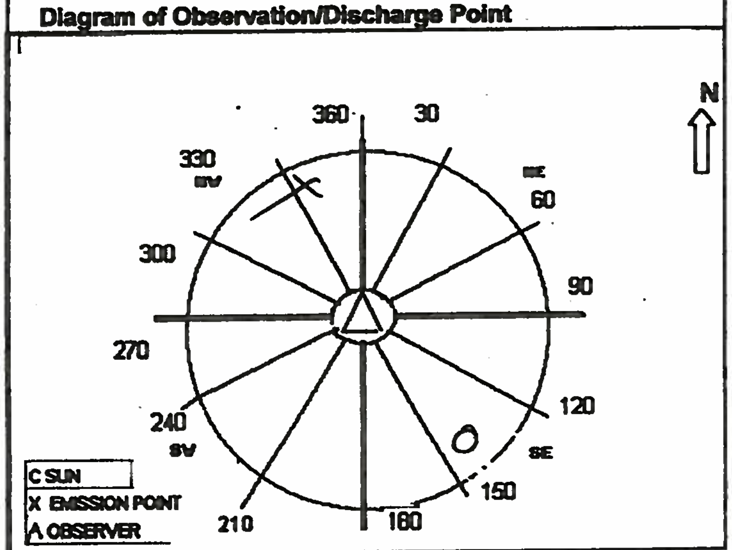
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-008 Mill Chipper

Date: 6/15/05

Is emission point operation normal? yes

V.E. Observer: [illegible]

Certification Expiration: /23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:16	10:21	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	3mph	3mph
Ambient temperture	80°	80°
Discharge temperture	80°	80°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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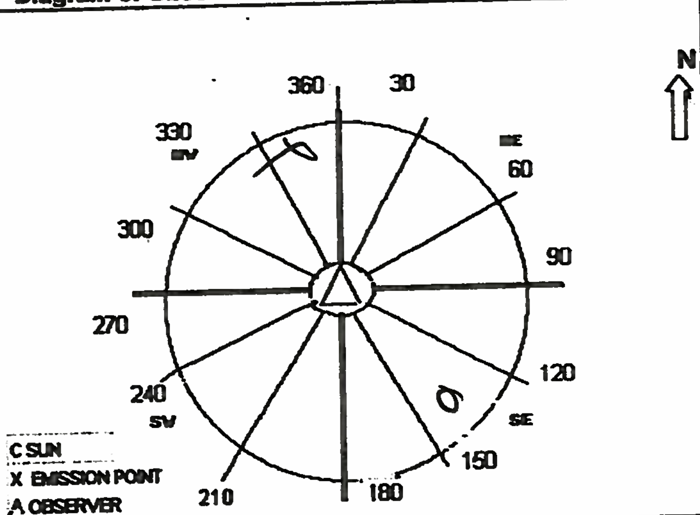
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 6/15/05
Is emission point operation normal? ______

V.E. Observer: [signature]
Certification Expiration: ____ /23/05

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Set #	Time Start	Time End	Opacity Sum	Opacity Average

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
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0				
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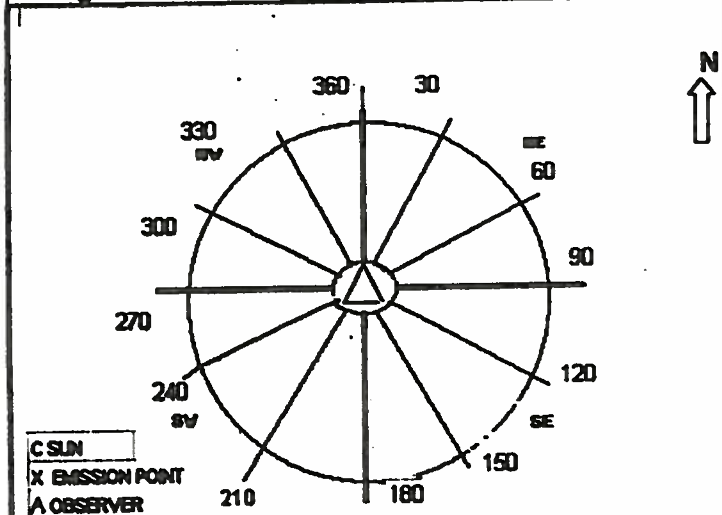
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 6/10/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1141	1147	120	5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	84°	84°
Discharge temperture	528°	496°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	10	10
1	10	10	10	10
2	0	0	0	0
3	0	10	10	10
4	10	10	10	0
5	0	0	0	0
0				
1				
2				
3				
4				
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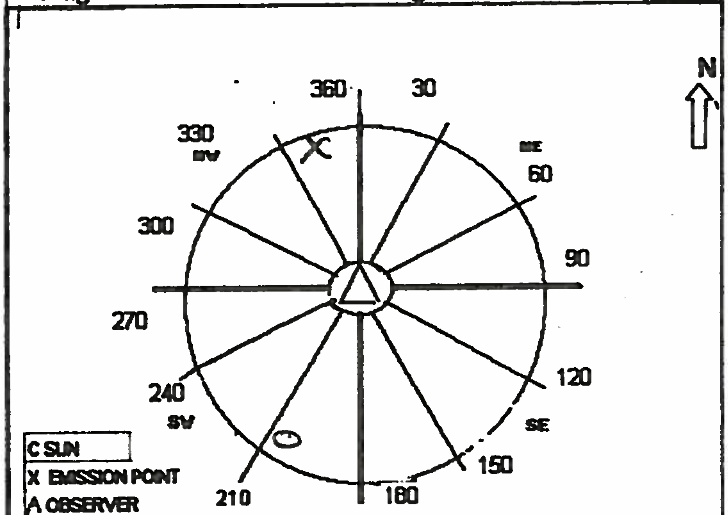
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-538-3736 FAX 601-538-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 6/10/05
Is emission point operation normal? yes

V.E. Observer: [illegible signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1:54	2:00	110	4.5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	84°	84°
Discharge temperture	512°	489°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	0	10
2	10	10	10	10
3	10	0	0	0
4	0	0	0	0
5	0	10	10	10
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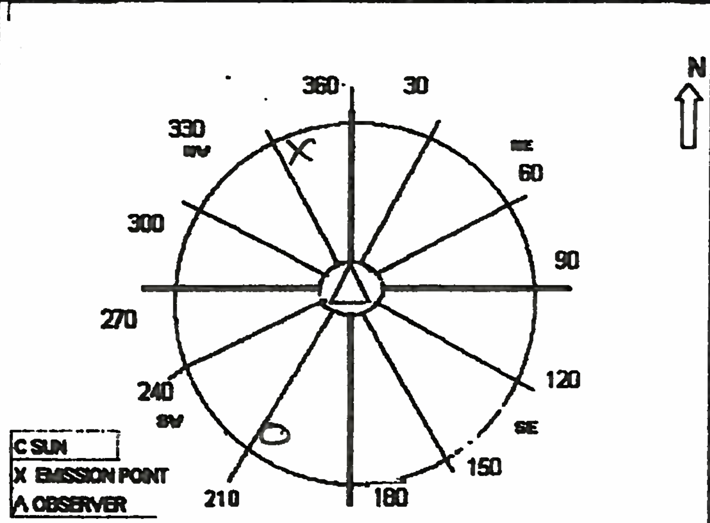
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp cyclone

Date: 6/10/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:08	2:13	0	0

	Initial	Final
Distance to discharge	150'	140'
Height of observation point	-4	-4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
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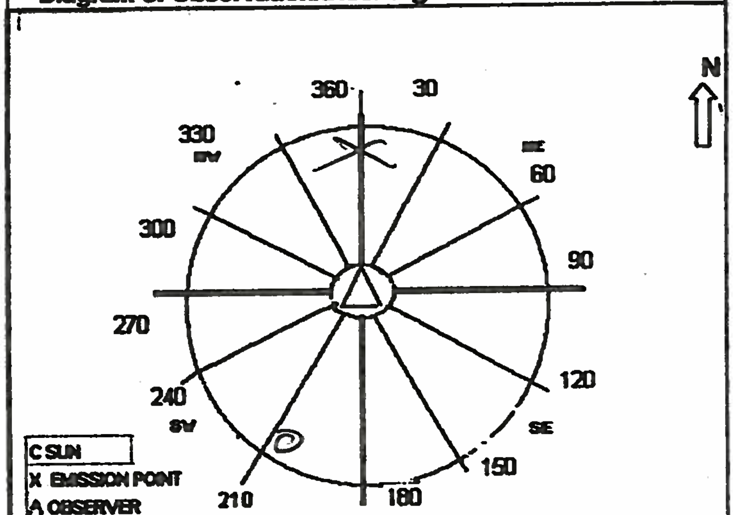
Diagram of Observation/Discharge Point



Remarks: ____________________

Received by: ____________________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 6/10/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:20	2:25	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
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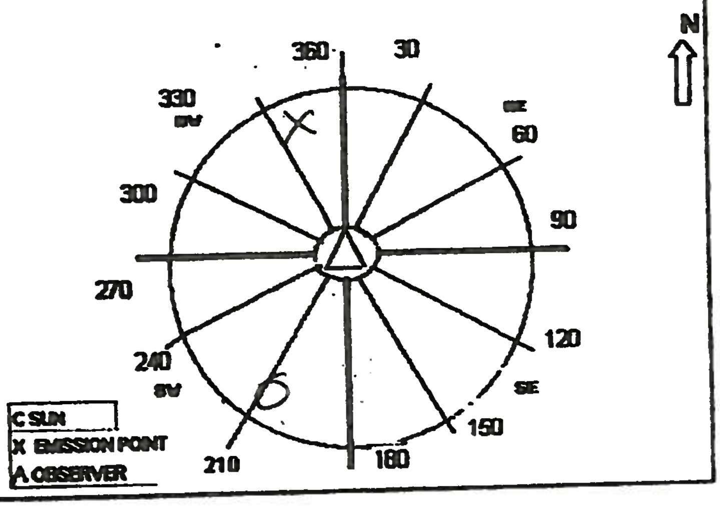
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-005 350hp Cyclone

Date: 6/10/05

Is emission point operation normal? Yes

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:28	2:34	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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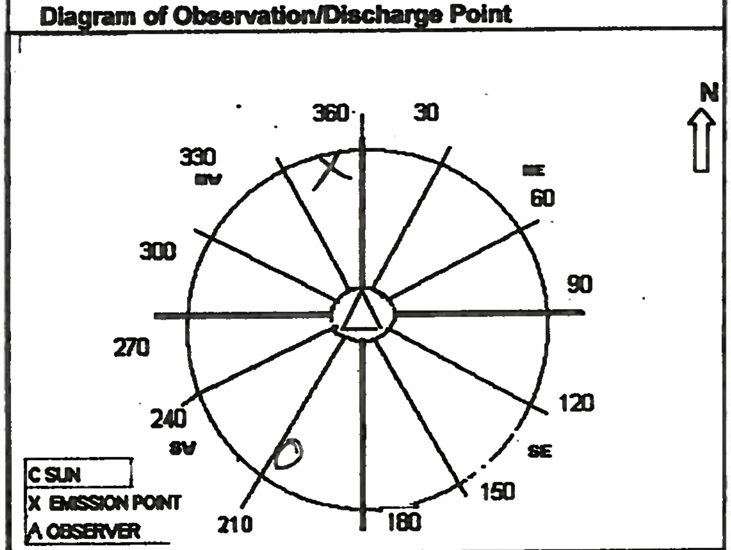
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 6/10/05
Is emission point operation normal? yes

V.E. Observer: [illegible signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	2:39	2:44	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4mph	4mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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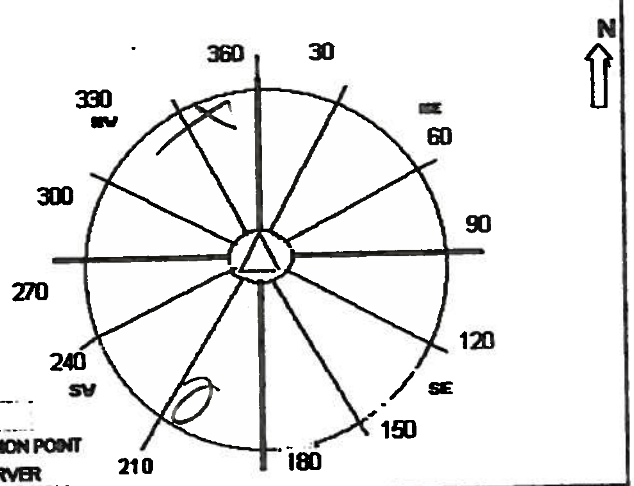
Diagram of Observation/Discharge Point



C SUN
X EMISSION POINT
Λ OBSERVER

Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 6/10/05
Is emission point operation normal?

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
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4				
5				
0				
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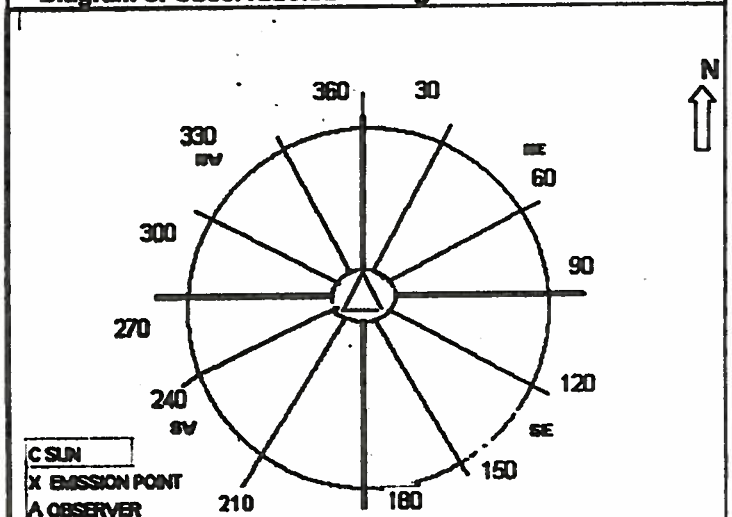
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-001A 600hp

Date: 6/1/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:02	9:08	120	5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	468°	493°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	10	10
1	10	10	10	10
2	10	0	0	0
3	0	0	0	0
4	0	0	0	10
5	10	10	10	10
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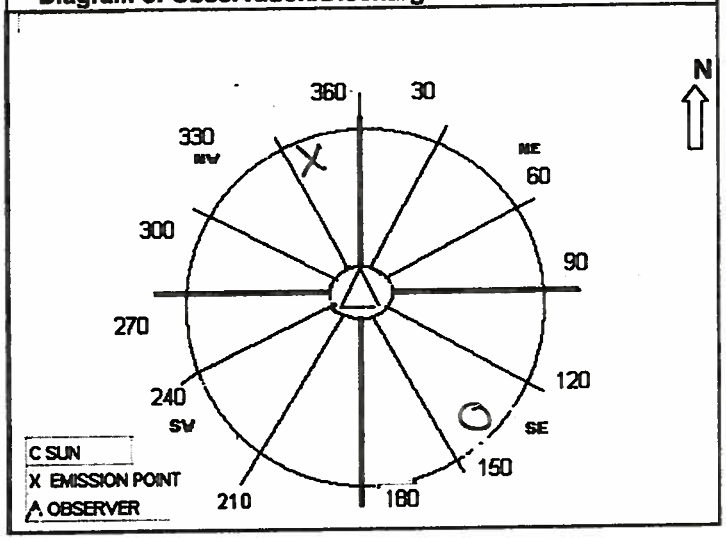
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 6/1/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:12	9:18	130	5.4

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36"	36'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	518°	507°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	10	0	0	0
1	0	0	10	10
2	10	10	10	0
3	0	0	0	0
4	10	10	10	10
5	10	10	10	0
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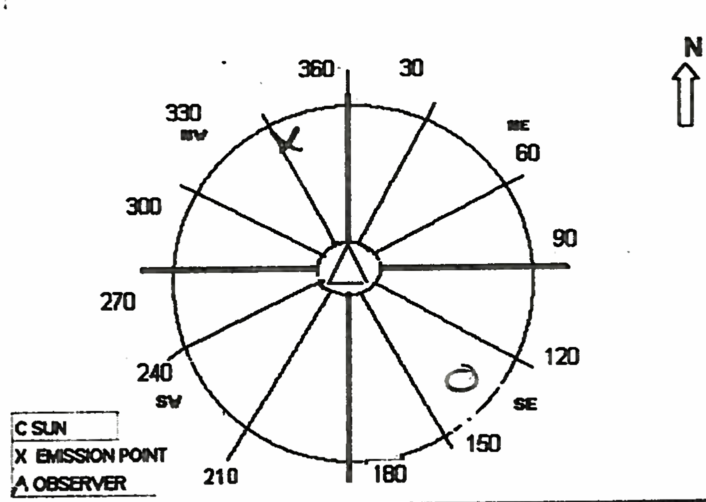
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 6/1/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:25	9:31	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	-4	-4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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4				
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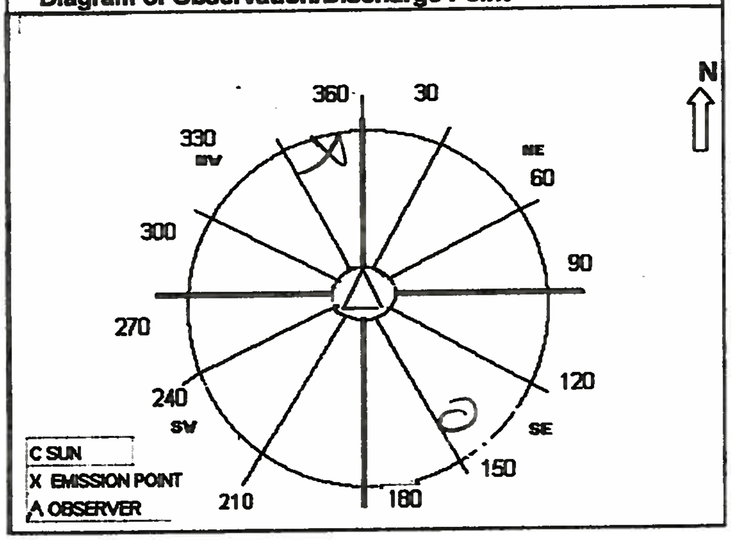
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3735 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 6/1/05
Is emission point operation normal? yes

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Cloudy	Cloudy

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:39	9:45	0	0

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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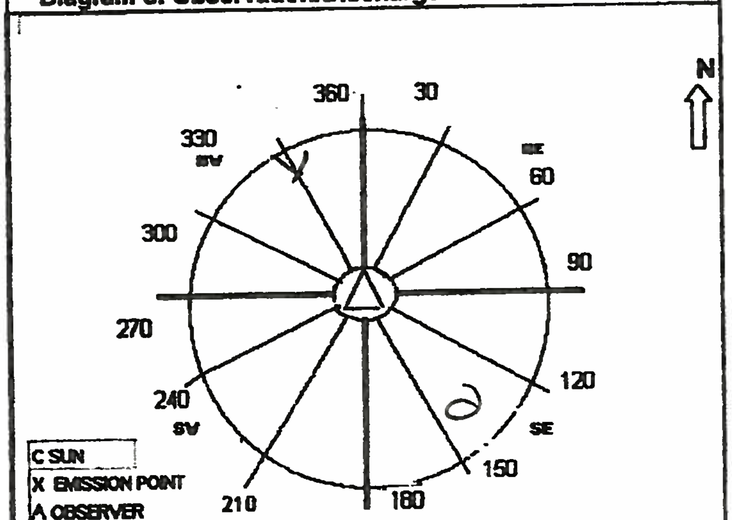
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 6/1/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:50	9:55	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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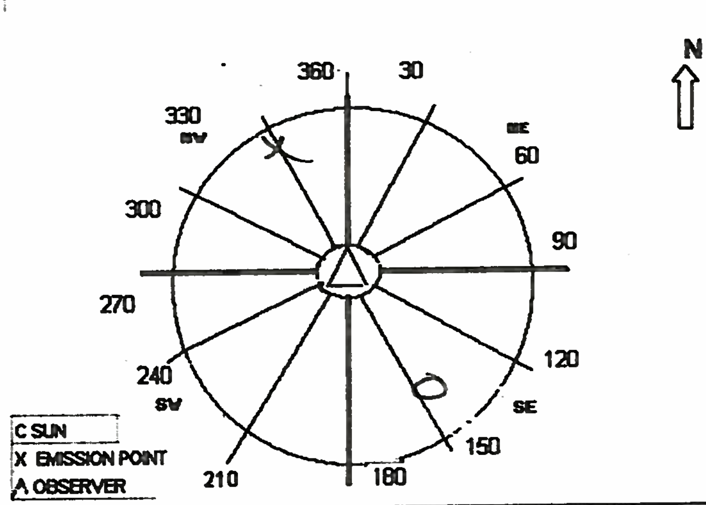
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 6/1/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:05	10:11	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Cloudy	Cloudy

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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3				
4				
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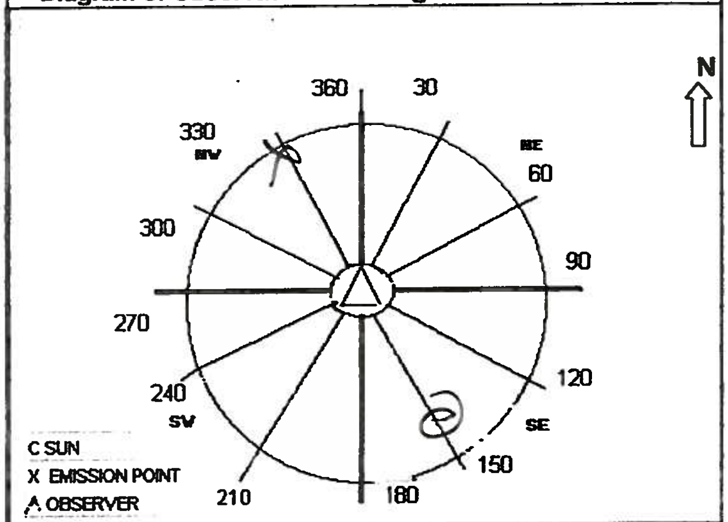
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 6/1/05
Is emission point operation normal? ____________

V.E. Observer: ____________
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Seconds				
Min	0	15	30	45
0				
1				
2				
3				
4				
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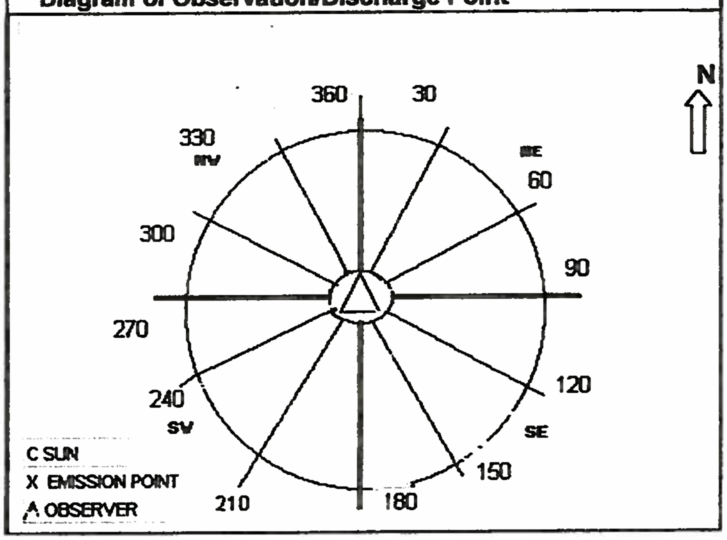
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emission

Received by: ____________

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 5/26/06
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 1/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	7:54	8:00	90	3.7

	Initial	Final
Distance to discharge	90	90
Height of observation point	-4	-4
Height of discharge	23	23
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	Calm	Calm
Wind speed	Calm	Calm
Ambient temperture	64°	64°
Discharge temperture	504°	486°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	10	10	10	10
3	10	10	10	10
4	10	0	0	0
5	0	0	0	0
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1				
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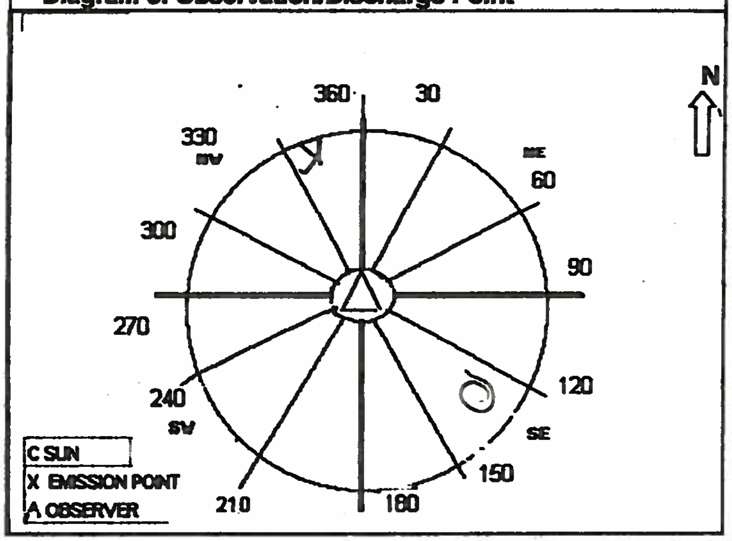
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 5/26/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:07	8:12	130	5.4

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	Calm	Calm
Wind speed	Calm	Calm
Ambient temperture	64°	64°
Discharge temperture	489°	514°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	0
1	0	0	0	0
2	0	10	10	10
3	10	10	0	0
4	0	0	0	10
5	10	10	10	10
0				
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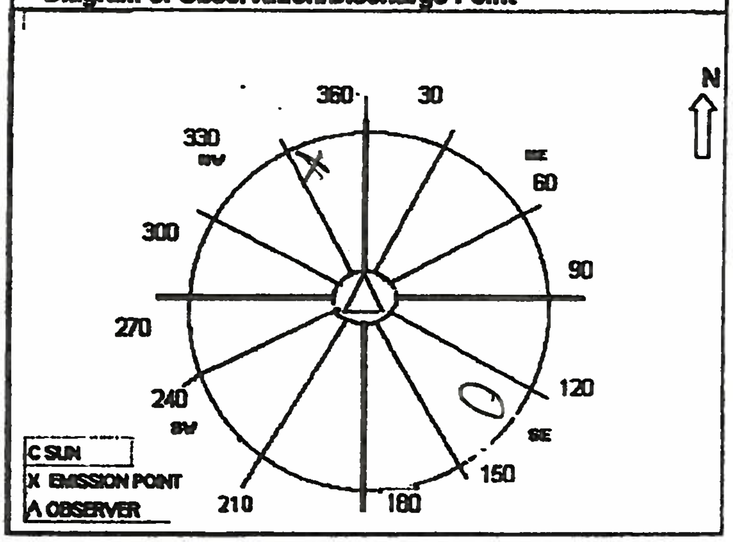
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 5/26/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:20	8:25	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	-4	-4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	Calm	Calm
Wind speed	Calm	Calm
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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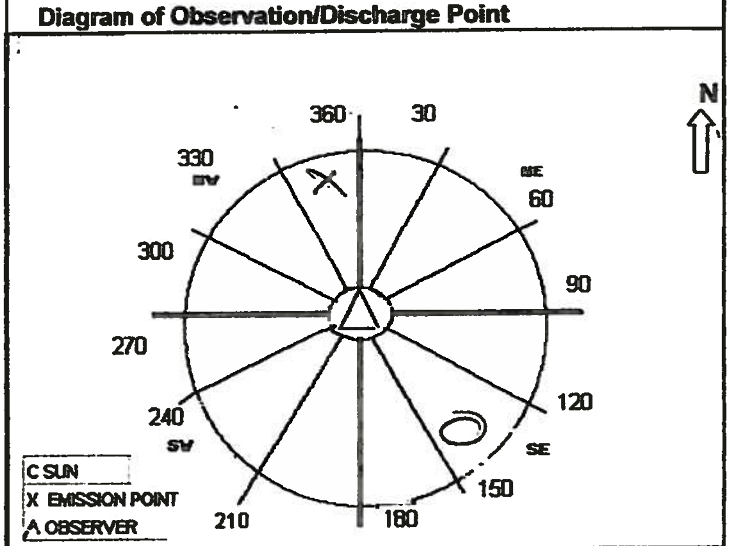
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3735 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 5/26/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:28	8:33	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	Calm	Calm
Wind speed	Calm	Calm
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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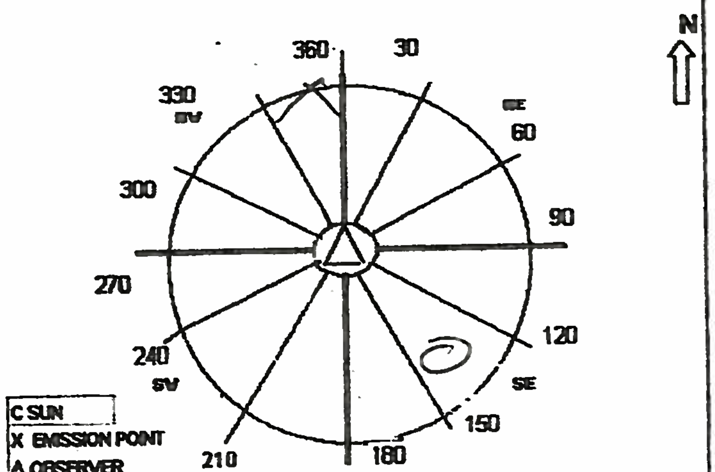
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 5/26/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:37	8:42	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	Calm	Calm
Wind speed	Calm	Calm
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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3				
4				
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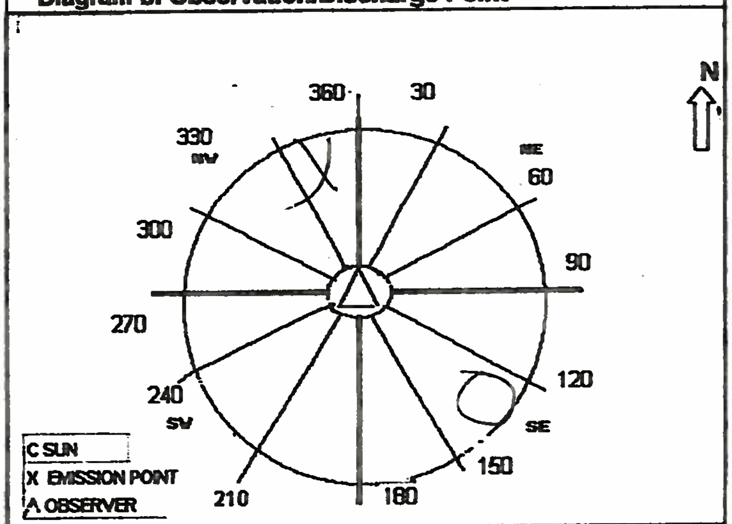
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 5/26/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	8:48	8:54	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	Calm	Calm
Wind speed	Calm	Calm
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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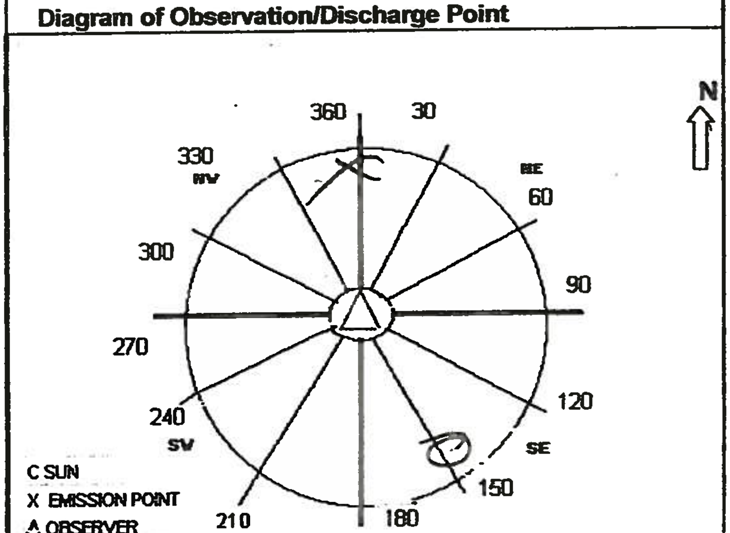
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-009 Portable Chipper

Date: 5/26/05

Is emission point operation normal? ______

V.E. Observer:

Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
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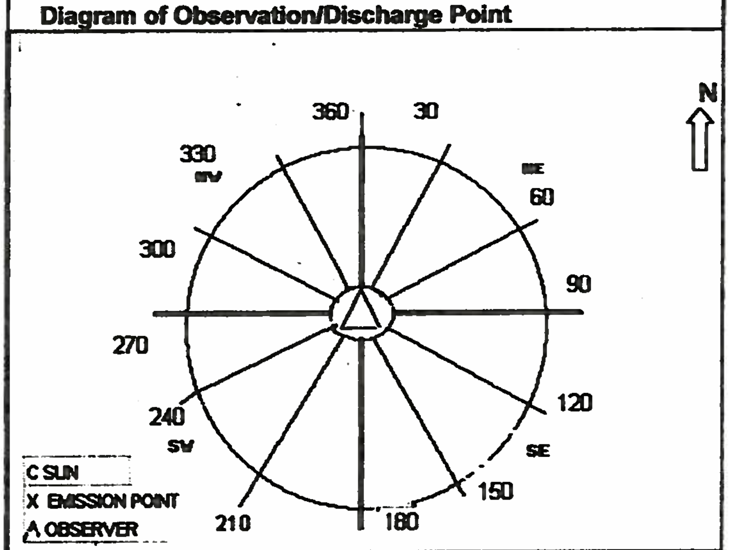
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 5/20/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:01	11:06	100	4.1

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5 mph	5 mph
Ambient temperture	84°	84°
Discharge temperture	467°	392°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	10
2	10	10	10	10
3	10	10	10	10
4	10	0	0	0
5	0	0	0	0
0				
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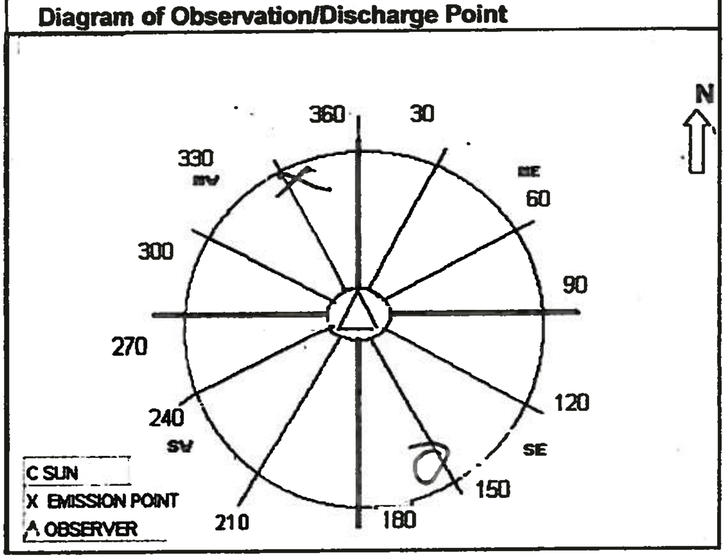
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3746

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 5/20/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	11:15	11:20	110	4.5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	West	west
Wind speed	5 mph	5 mph
Ambient temperture	84°	84°
Discharge temperture	531°	506°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	0	0	0
2	0	0	0	10
3	10	10	10	10
4	10	0	0	0
5	0	0	0	0
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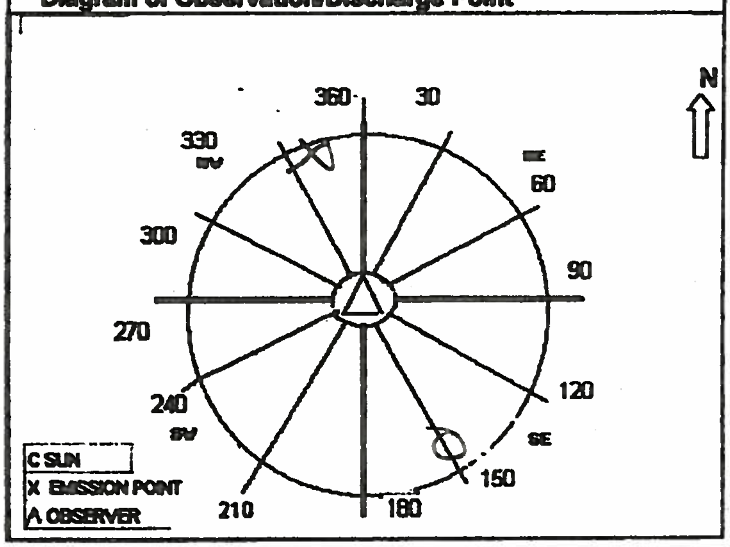
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 6/29/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:23	11:28	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	~4	~4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5 mph	5 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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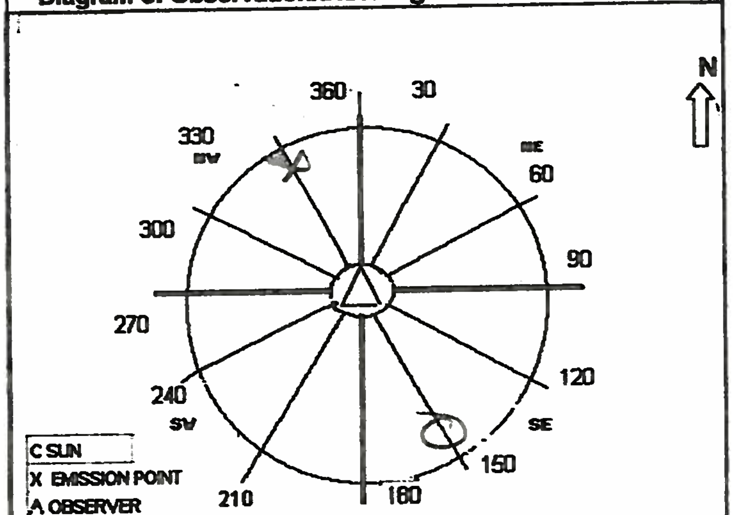
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3738 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

Date: 5/20/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:33	11:39	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5 mph	5 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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3				
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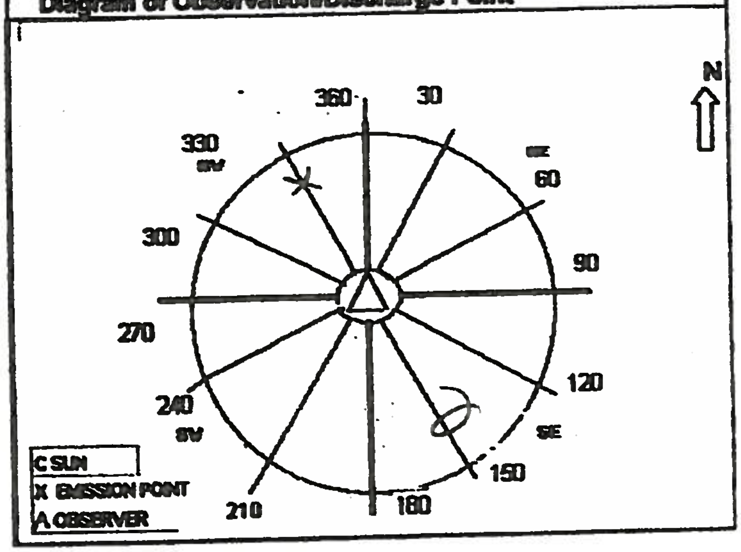
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 5/20/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:51	11:56	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5 mph	5 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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3				
4				
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0				
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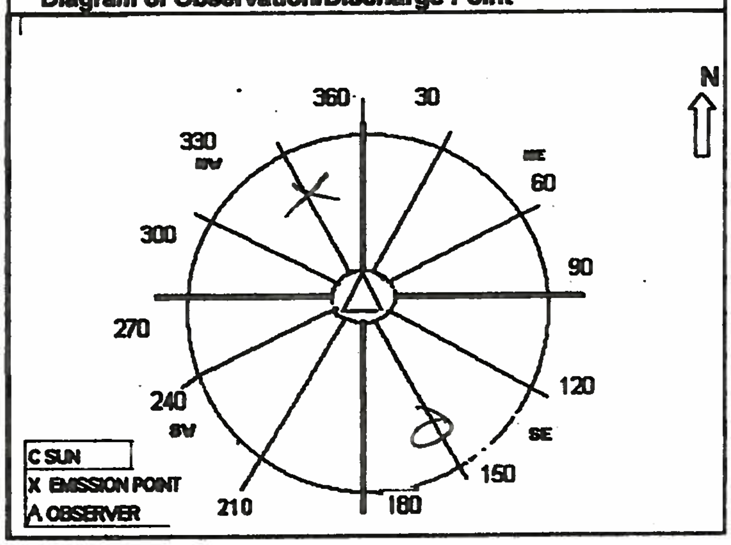
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 5/20/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	12:05	12:10	0	0

	Initial	Final
Distance to discharge	25	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5 mph	5 mph
Ambient temperture	84°	84°
Discharge temperture	84°	84°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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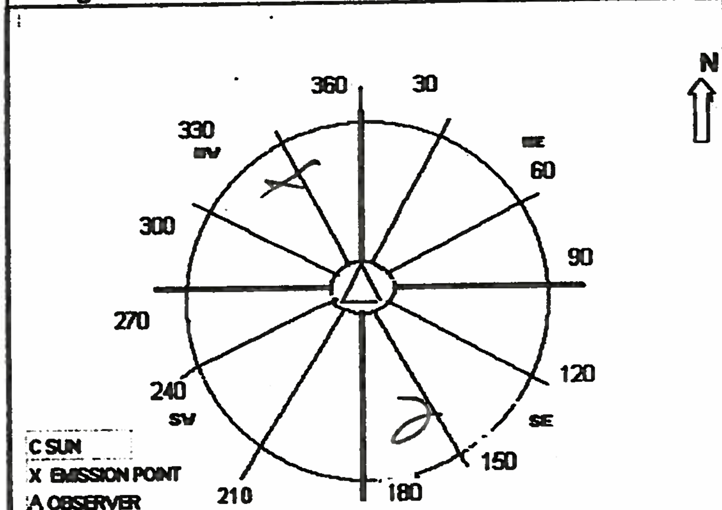
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
~~**Address:** 221 SCR 5-9~~
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 5/20/05
Is emission point operation normal? ______

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
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2				
3				
4				
5				
0				
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3				
4				
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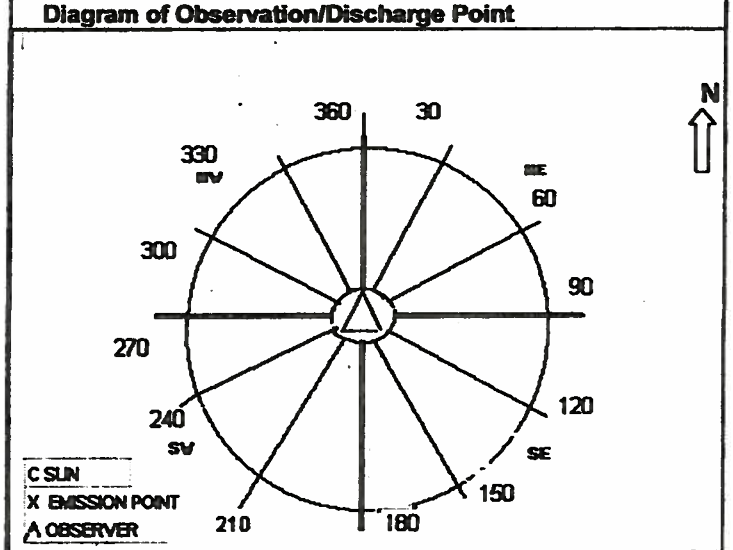
Diagram of Observation/Discharge Point



Remarks: NOT in operation
O emission

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 5/11/06
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:02	9:08	90	3.7

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	447°	492°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	10	10
2	10	10	10	10
3	0	0	0	0
4	0	0	0	0
5	0	10	10	10
0				
1				
2				
3				
4				
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0				
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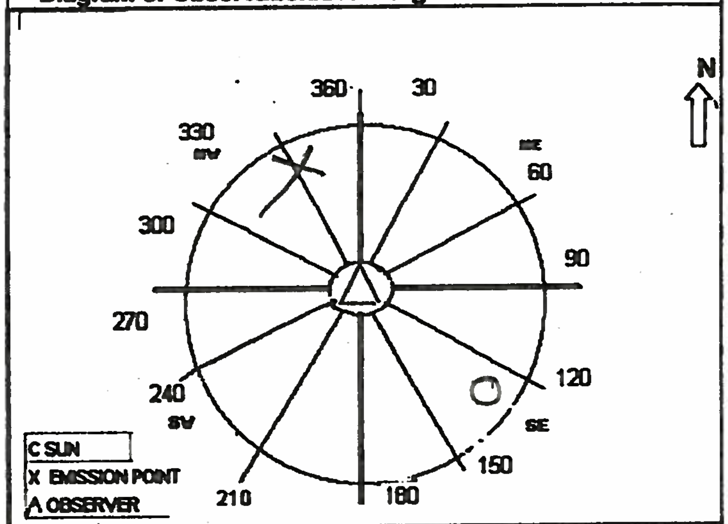
4				
5				

Diagram of Observation/Discharge Point



Remarks: ______________________________

Received by: ______________________________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3746

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 5/11/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	9:13	9:18	130	5.4

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	518°	502°
Sky conditions	Clear	Clear

Seconds				
Min	0	15	30	45
0	10	10	0	0
1	0	0	0	0
2	0	0	0	10
3	10	10	10	10
4	10	10	10	10
5	10	10	0	0
0				
1				
2				
3				
4				
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0				
1				
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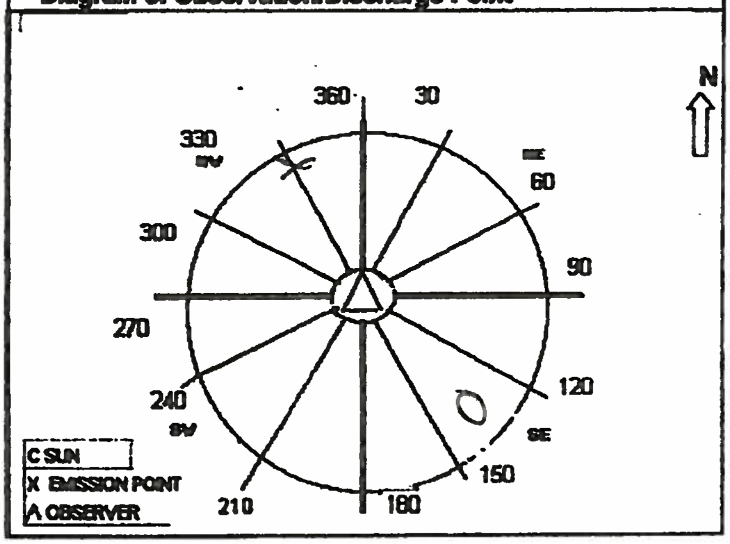
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-538-3736 FAX 601-538-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp cyclone

Date: 5/11/06

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:24	9:30	0	0

	Initial	Final
Distance to discharge	140	140
Height of observation point	~4	~4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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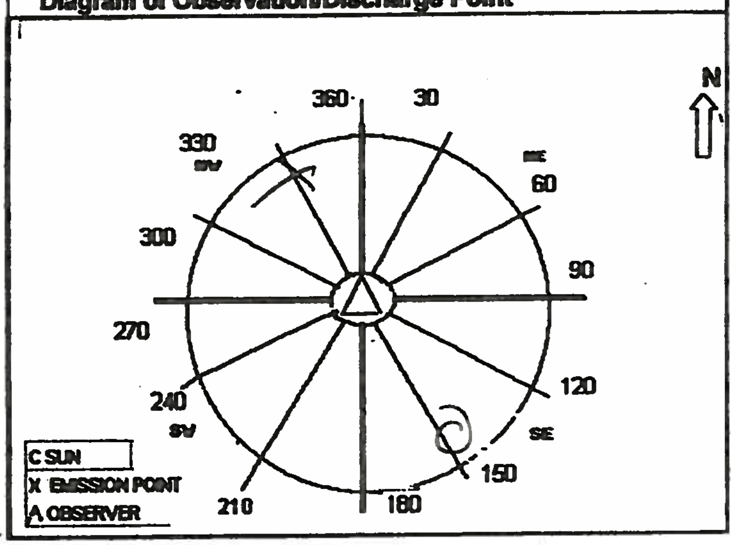
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	9:36	9:41	0	0

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 5/11/05
Is emission point operation normal? ______

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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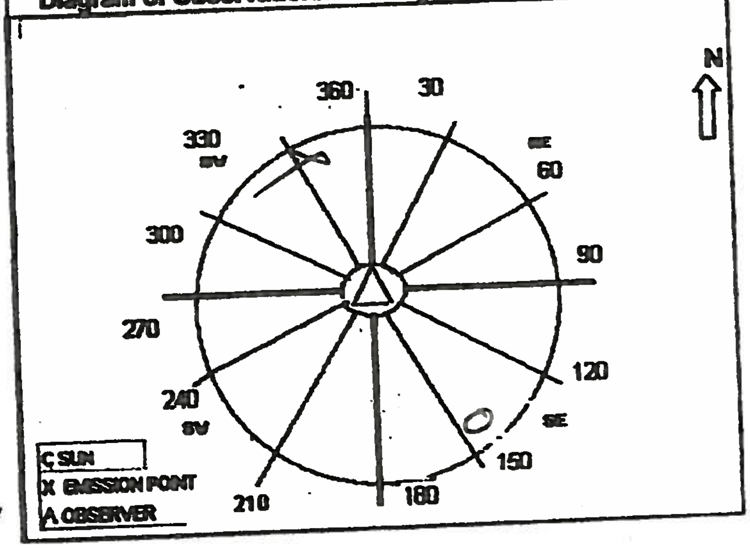
5				

Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 5/11/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:45	9:51	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
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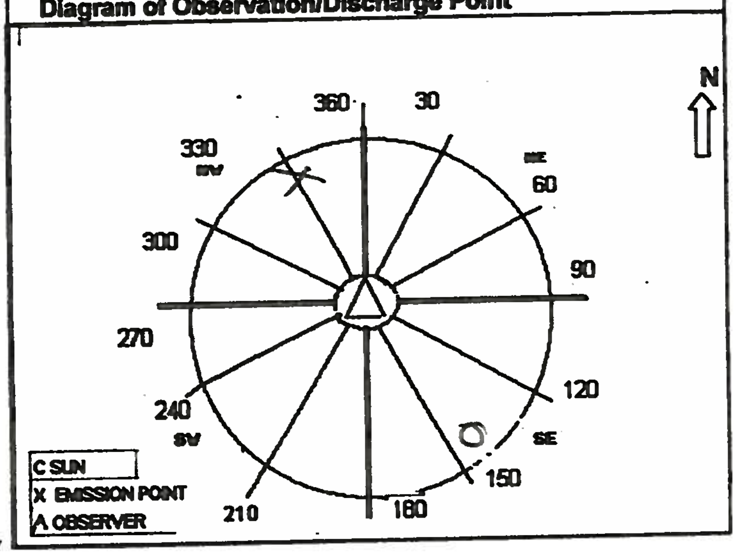
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 5/11/05
Is emission point operation normal? yes

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:08	10:13	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
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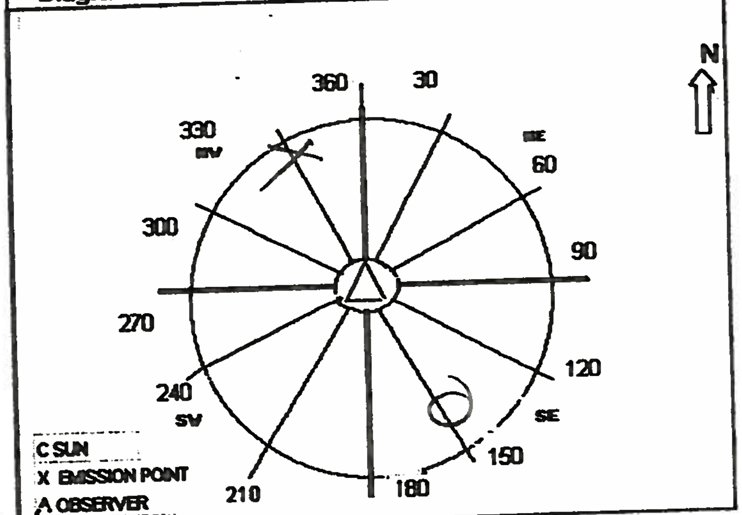
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 5/11/05
Is emission point operation normal?

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
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3				
4				
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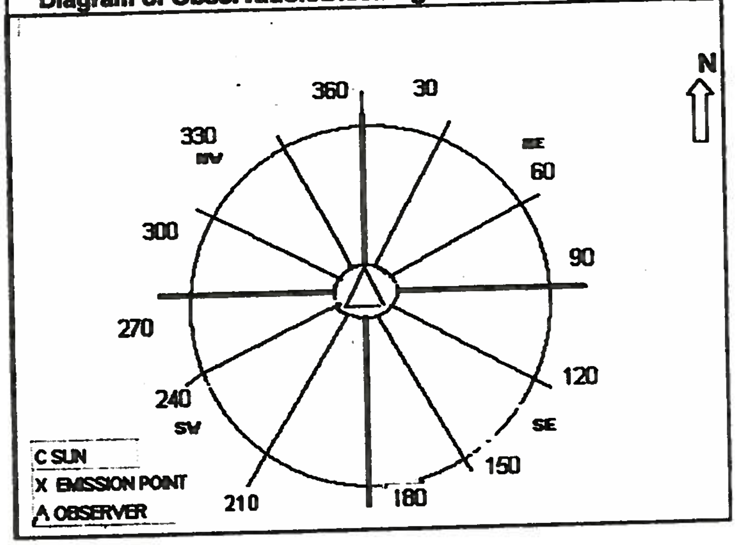
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emission

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 5/4/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:54	10:02	120	5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	East	East
Wind speed	3mph	3mph
Ambient temperture	61°	61°
Discharge temperture	403°	476°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	0	0
1	0	10	10	10
2	10	10	10	0
3	0	0	0	0
4	0	0	10	10
5	10	10	10	10
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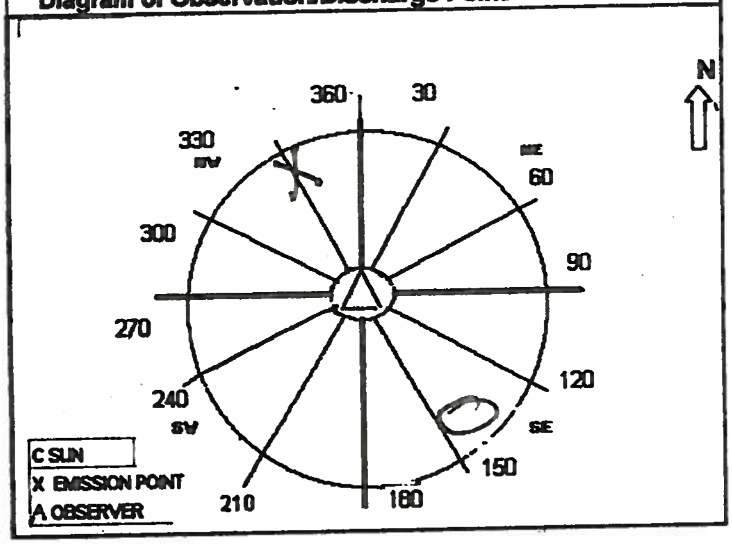
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 5/4/05
Is emission point operation normal? ________

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:10	10:15	140	5.8

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	East	East
Wind speed	3mph	3mph
Ambient temperture	61°	61°
Discharge temperture	518°	474°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	10	10
2	10	10	0	0
3	0	0	0	0
4	0	0	0	0
5	10	10	10	10
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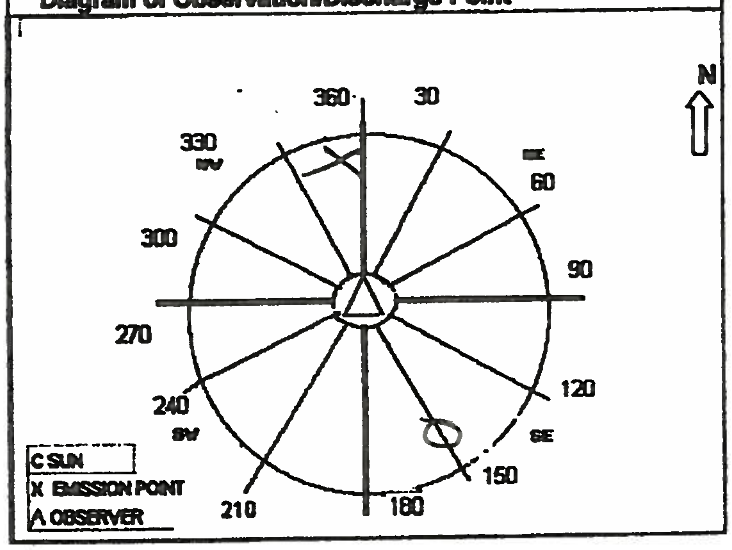
Diagram of Observation/Discharge Point



Remarks: ________

Received by: ________

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp cyclone
Date: 5/4/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	10:21	10:26	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	-4	-4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	East	East
Wind speed	3 mph	3 mph
Ambient temperture	61°	61°
Discharge temperture	61°	61°
Sky conditions	Clear	Clear

	Seconds			
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
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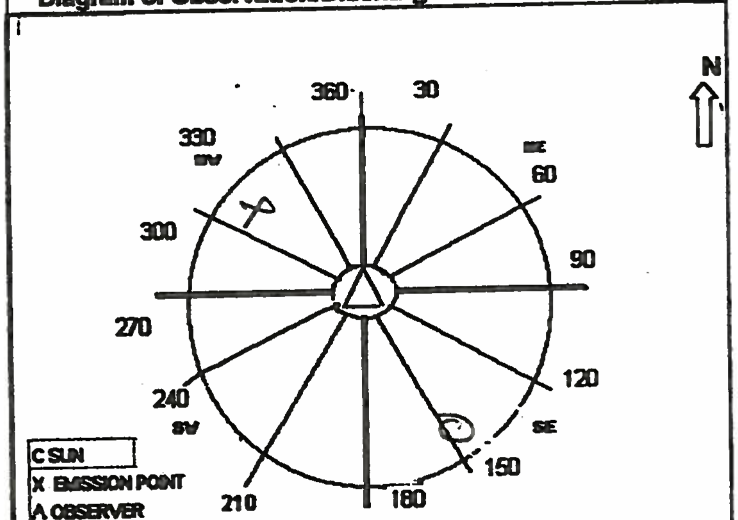
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

Date: 5/4/05

Is emission point operation normal? yes

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:30	10:35	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	East	East
Wind speed	3 mph	3 mph
Ambient temperture	61°	61°
Discharge temperture	61°	61°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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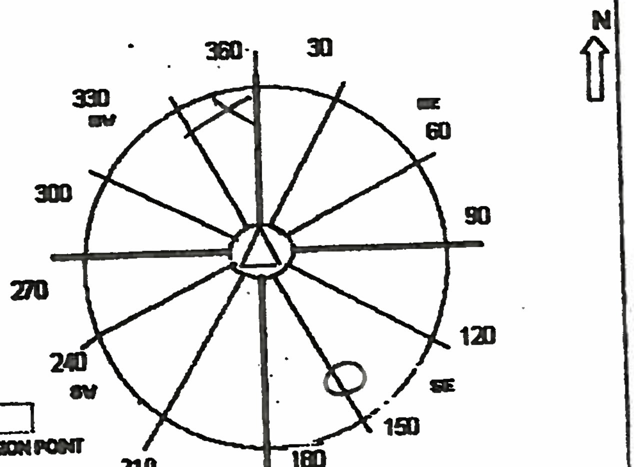
Diagram of Observation/Discharge Point



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Δ OBSERVER

Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 5/4/05
Is emission point operation normal?

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:41	10:46	0	0

	Initial	Final
Distance to discharge	85	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	East	East
Wind speed	3mph	3mph
Ambient temperture	61°	61°
Discharge temperture	61°	61°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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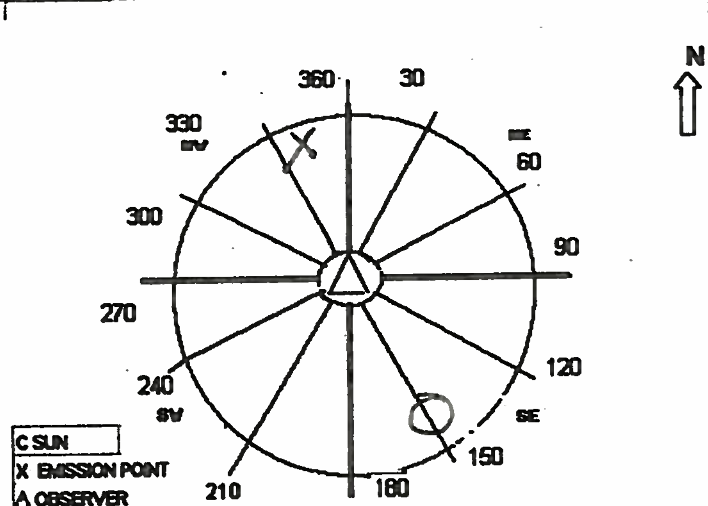
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 5/4/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	10:52	10:57	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	East	East
Wind speed	3mph	3mph
Ambient temperture	61°	61°
Discharge temperture	61°	61°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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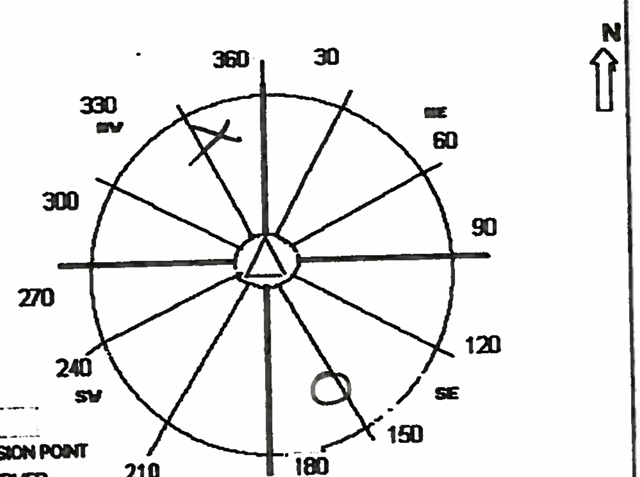
Diagram of Observation/Discharge Point



C SUN
X EMISSION POINT
A OBSERVER

Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 5/4/05
Is emission point operation normal?

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Seconds				
Min	0	15	30	45
0				
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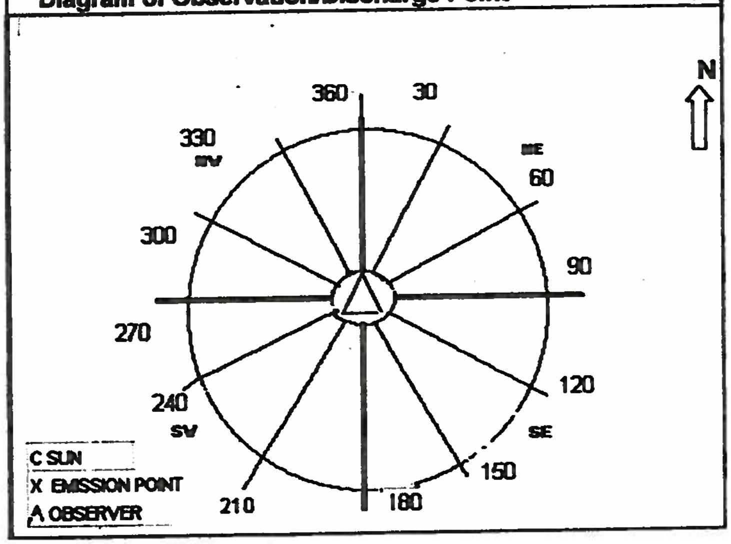
Diagram of Observation/Discharge Point



Remarks: Not in operation
0 emission

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-001A 600hp

Date: 4/28/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:51	10:56	180	7.5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	70°	70°
Discharge temperture	482°	526°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	10	10	10	10
1	10	10	10	10
2	10	0	0	0
3	0	0	0	10
4	10	10	10	10
5	10	10	10	10
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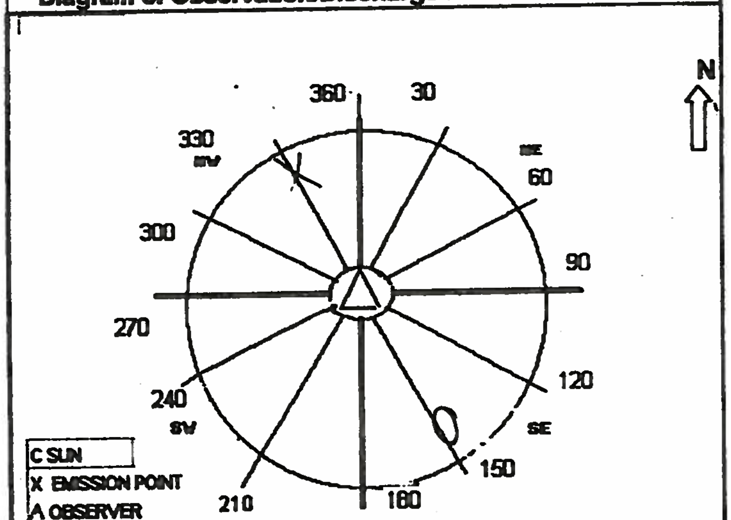
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 4/28/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:59	11:04	150	6.2

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	70°	70°
Discharge temperture	508°	537°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	10	10
1	10	10	10	10
2	10	0	0	0
3	0	0	0	0
4	10	10	10	10
5	10	10	10	10
0				
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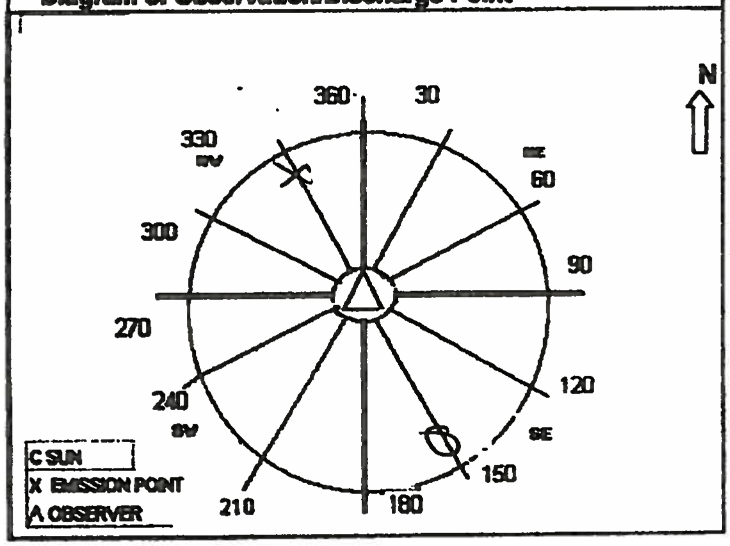
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 4/28/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	11:09	11:15	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	-4	-4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

	Seconds			
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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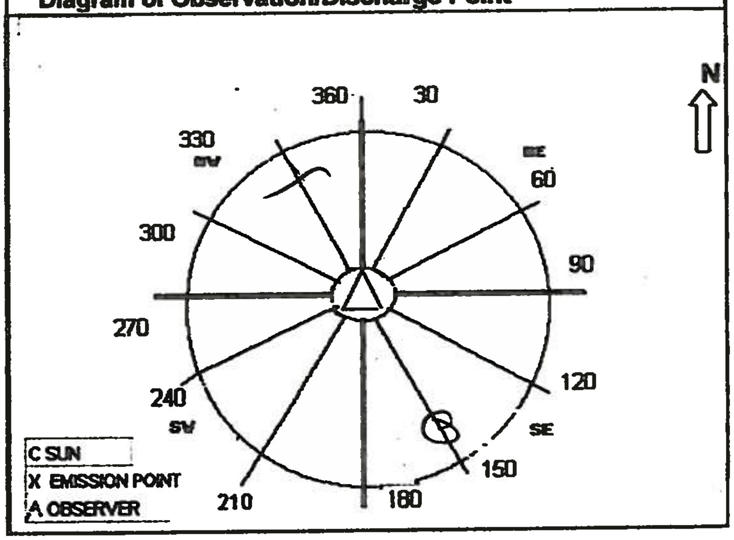
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

Date: 4/28/05

Is emission point operation normal? yes

V.E. Observer:

Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:20	11:25	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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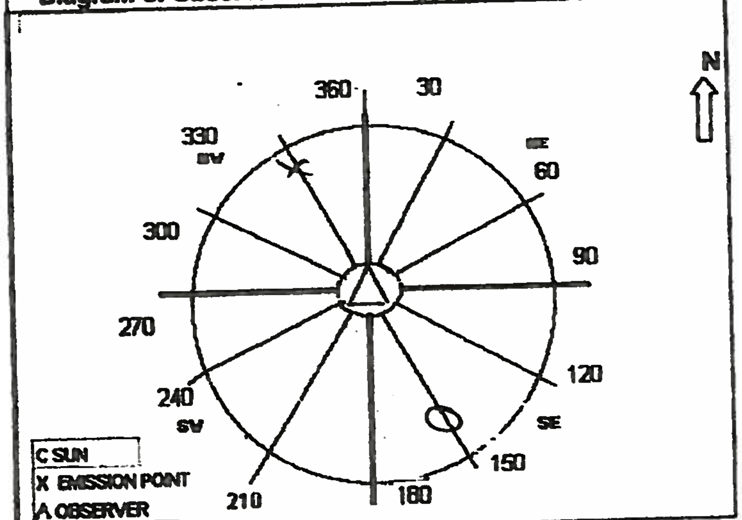
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 4/28/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	11:29	11:35	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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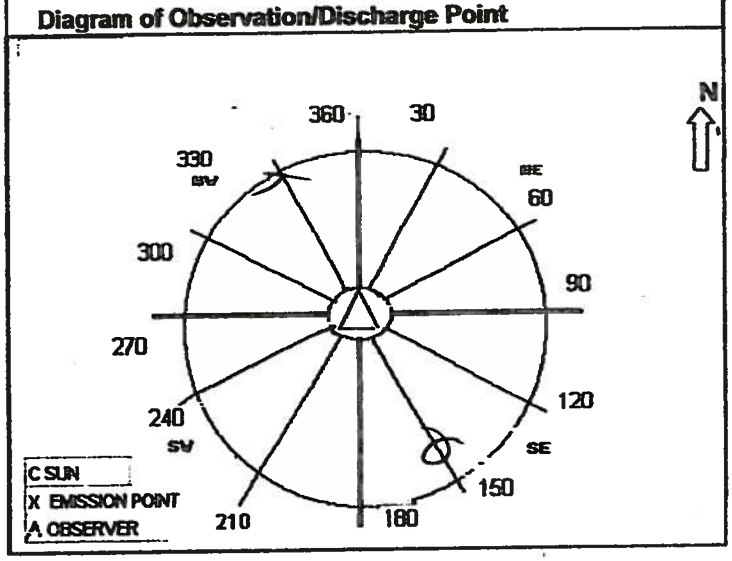
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 4/28/05
Is emission point operation normal? yes

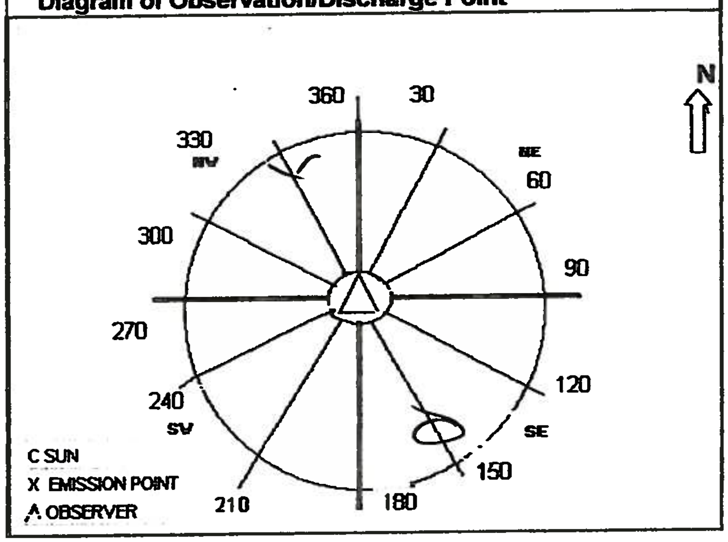
	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	6
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:39	11:45	0	0

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 4/28/05
Is emission point operation normal? ____________

V.E. Observer: [signature]
Certification Expiration: 10/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
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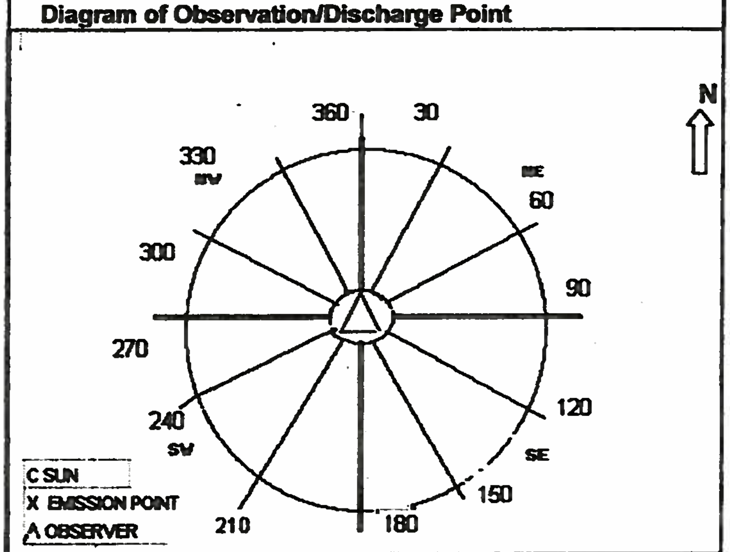
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: Not in operation
0 emissions

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 4/20/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: [illegible]/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:00	9:05	100	4.1

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4'	-4'
Height of discharge	23'	23'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	2mph	2mph
Ambient temperture	64°	64°
Discharge temperture	485°	468°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	10
1	10	10	10	10
2	0	0	0	0
3	0	0	0	0
4	10	10	10	10
5	10	0	0	0
0				
1				
2				
3				
4				
5				
0				
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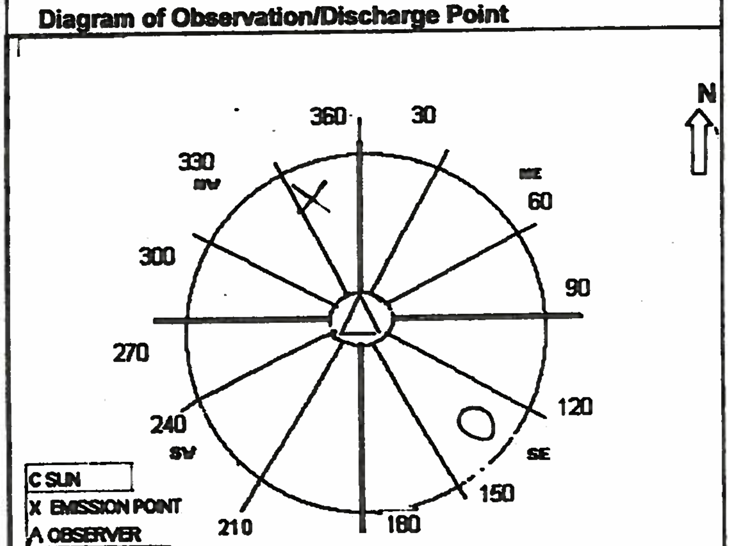
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3746

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 4/20/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:11	9:16	120	5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	2mph	2mph
Ambient temperture	64°	64°
Discharge temperture	502°	496°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	10	10
2	10	10	10	0
3	0	0	0	0
4	10	10	10	10
5	10	0	0	0
0				
1				
2				
3				
4				
5				
0				
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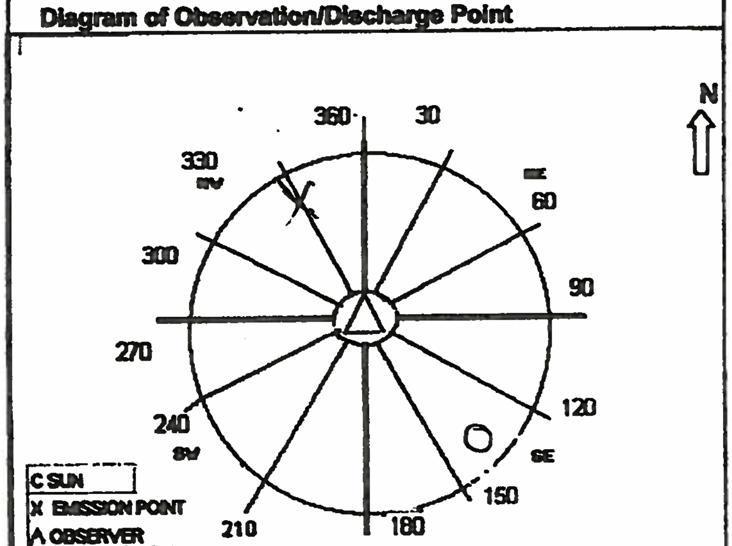
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp Cyclone

Date: 4/20/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	9:19	9:25	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	-4	-4
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	2mph	2mph
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Seconds				
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
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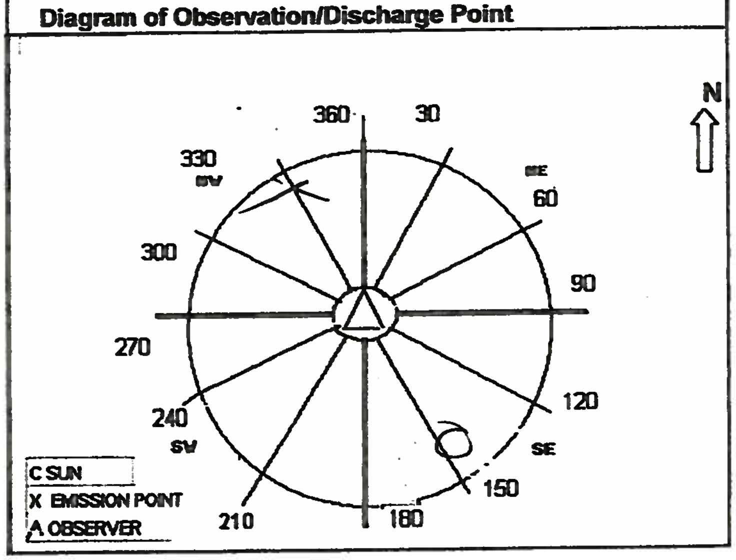
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3735 FAX 601-536-3746

Visible Emissions Evaluation Record

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:28	9:33	0	0

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-8

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

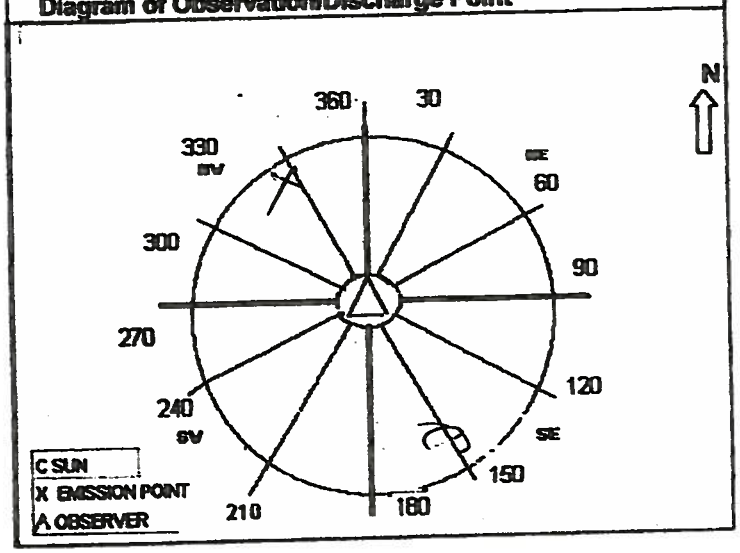
Date: 4/20/05

Is emission point operation normal? yes

	Initial	Final
Distance to discharge	60'	60'
Height of observation point	0	0
Height of discharge	120'	120'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	2mph	2mph
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 4/20/05
Is emission point operation normal? yes

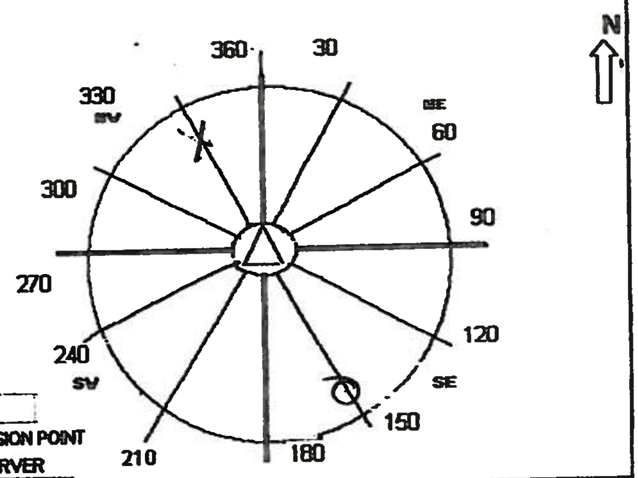
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:35	9:40	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	2mph	2mph
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



C SUN
X EMISSION POINT
A OBSERVER

Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 4/20/05
Is emission point operation normal? yes

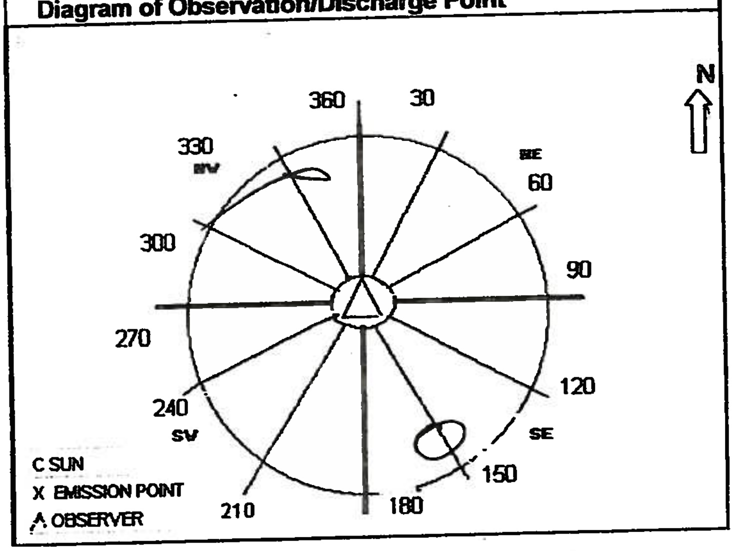
V.E. Observer: [illegible signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:44	9:49	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	South	South
Wind speed	2mph	2mph
Ambient temperture	64°	64°
Discharge temperture	64°	64°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 4/20/05
Is emission point operation normal? ____________

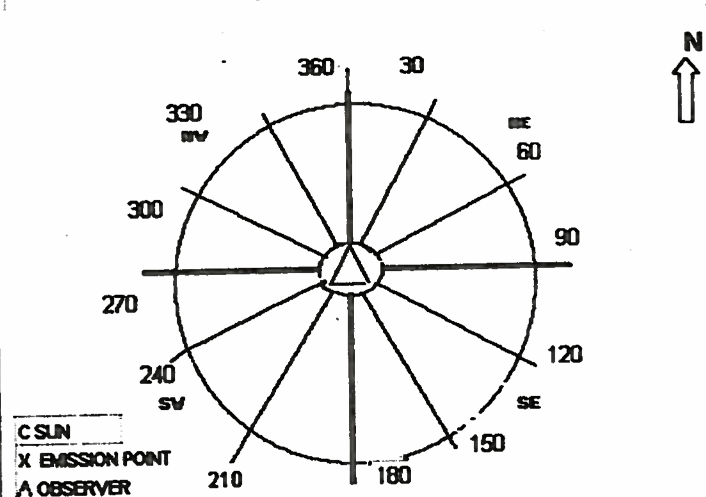
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1.				

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: NOT in operation
O emissions

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 4/15/05
Is emission point operation normal? yes

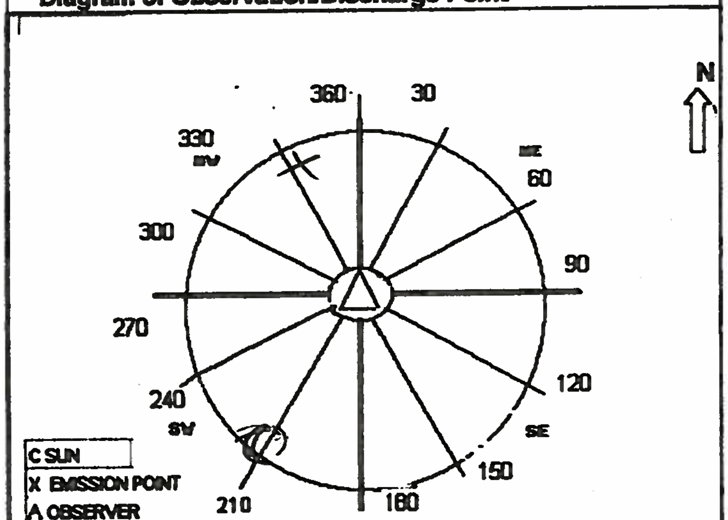
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2150	2155	150	6.2

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	23'	23'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NE	NE
Wind speed	6 mph	6 mph
Ambient temperture	76°	76°
Discharge temperture	442°	507°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	10	10
2	10	10	10	10
3	10	10	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 4/13/05
Is emission point operation normal? Yes

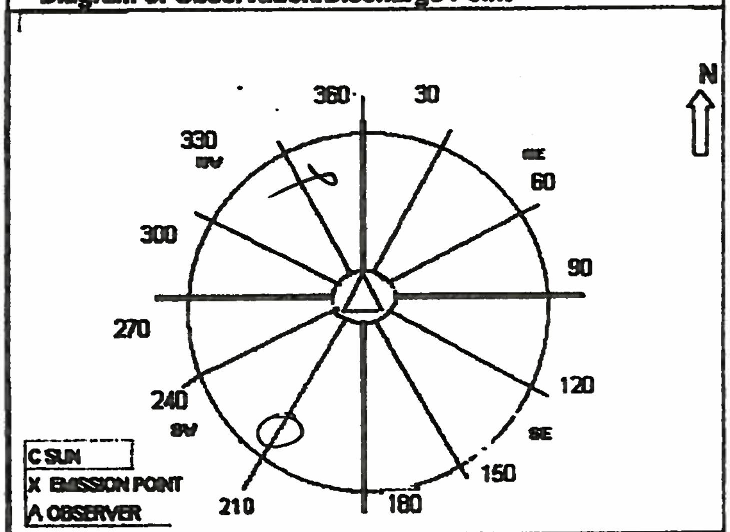
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:58	3:03	120	5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NE	NE
Wind speed	6 mph	6 mph
Ambient temperture	76°	76°
Discharge temperture	398°	460°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	0	0
2	0	0	0	0
3	0	10	10	10
4	10	10	10	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 4/15/05
Is emission point operation normal? yes

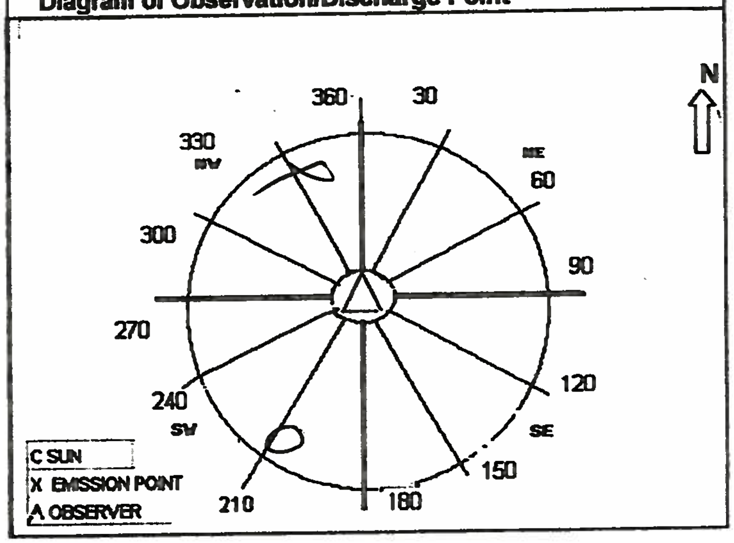
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:17	3:22	0	0

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	~~0~~ 4	-4
Height of discharge	20'	20'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NE	NE
Wind speed	6 mph	6 mph
Ambient temperture	76°	76°
Discharge temperture	76°	76°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3728 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 4/15/04
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	3:27	3:32	0	0

	Initial	Final
Distance to discharge	60'	60'
Height of observation point	0	0
Height of discharge	120'	120'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NE	NE
Wind speed	6 mph	6 mph
Ambient temperture	76°	76°
Discharge temperture	76°	76°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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4				
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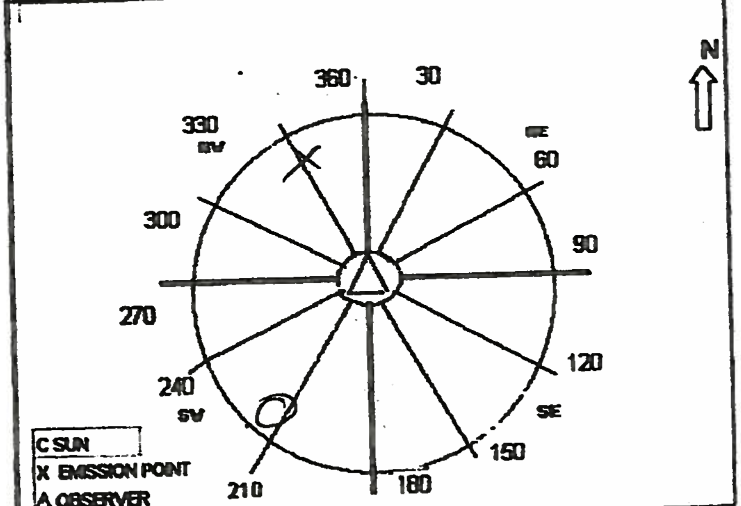
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 4/15/05
Is emission point operation normal? yes

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NE	NE
Wind speed	6 mph	6 mph
Ambient temperture	76°	76°
Discharge temperture	76°	76°
Sky conditions	Clear	Clear

Set #	Time		Opacity	
	Start	End	Sum	Average
1	3:37	3:42	0	0

Seconds				
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
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0				
1				
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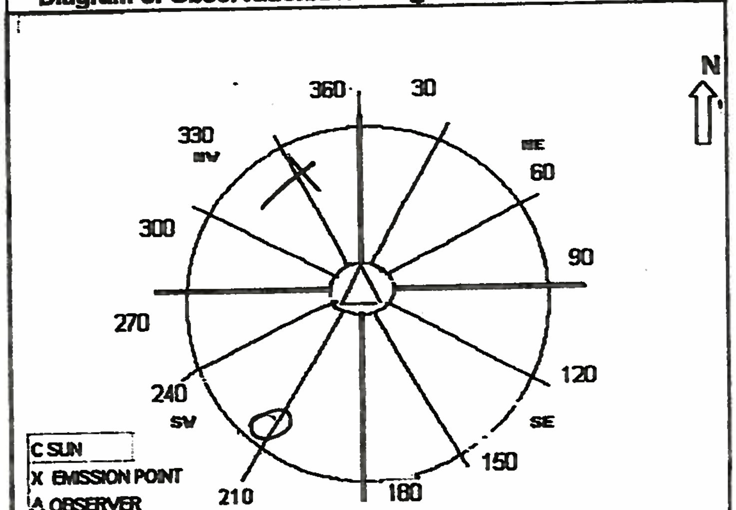
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 4/15/05
Is emission point operation normal? yes

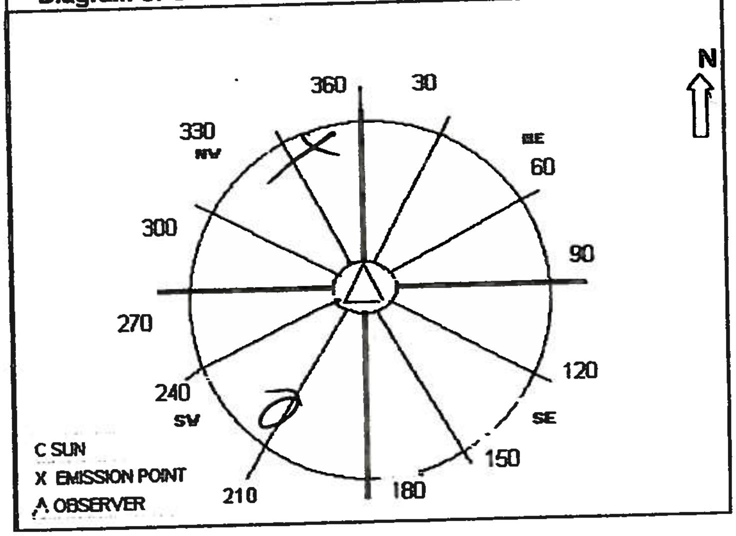
V.E. Observer: [illegible signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:48	3:54	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	NE	NE
Wind speed	6 mph	6 mph
Ambient temperture	76°	76°
Discharge temperture	76°	76°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-009 Portable Chipper

Date: 4/15/05

Is emission point operation normal? ____________

V.E. Observer: ____________

Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
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5				
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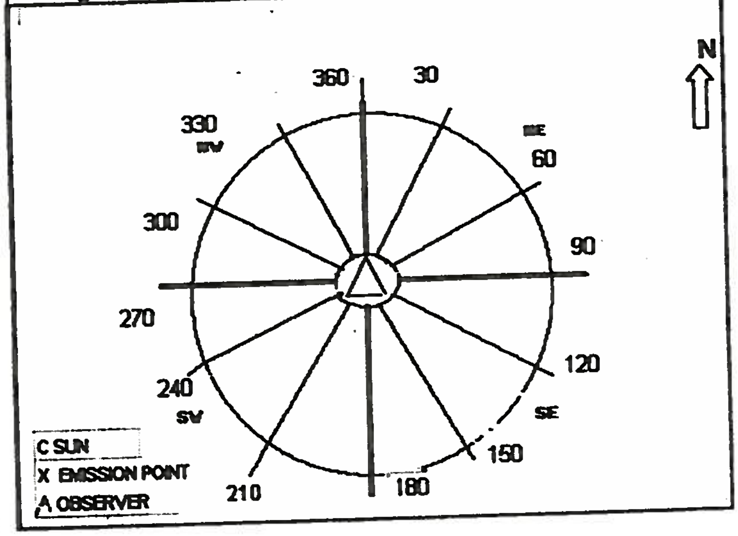
Diagram of Observation/Discharge Point



Remarks: NOT in operation

0 emission

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-001A 600hp

Date: 4/6/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	1:43	1:48	100	4.1

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	-4	-4
Height of discharge	33'	33'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	6 mph	6 mph
Ambient temperture	71°	71°
Discharge temperture	518°	486°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	0	0
2	0	10	10	10
3	10	10	10	0
4	0	0	0	0
5	0	0	10	10
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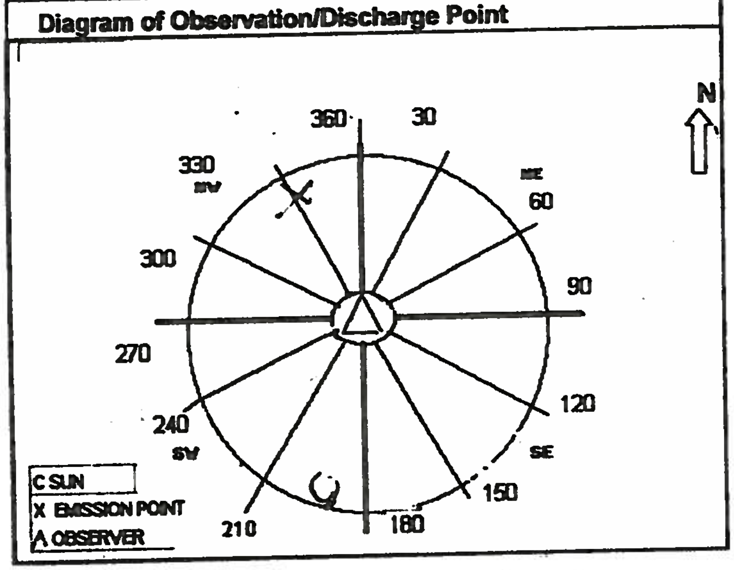
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3746

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AB-002A 350hp Boiler

Date: 4/6/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1:52	1:57	160	6.6

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	36'	36'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	6 mph	6 mph
Ambient temperture	71°	71°
Discharge temperture	394°	498
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	10	10
2	10	0	0	0
3	0	0	0	0
4	0	10	10	10
5	10	10	10	10
0				
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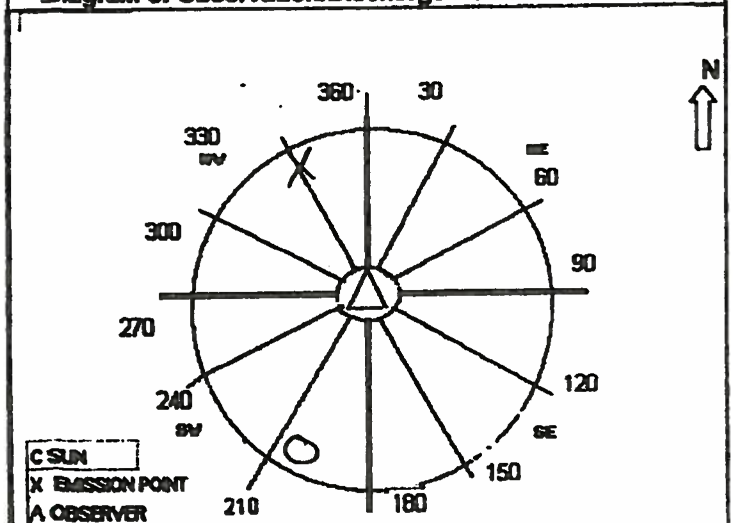
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [illegible signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	2:08	2:13	0	0

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp cyclone
Date: 4/6/05
Is emission point operation normal? yes

	Initial	Final
Distance to discharge	140'	140'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	6 mph	6 mph
Ambient temperture	71°	71°
Discharge temperture	71°	71°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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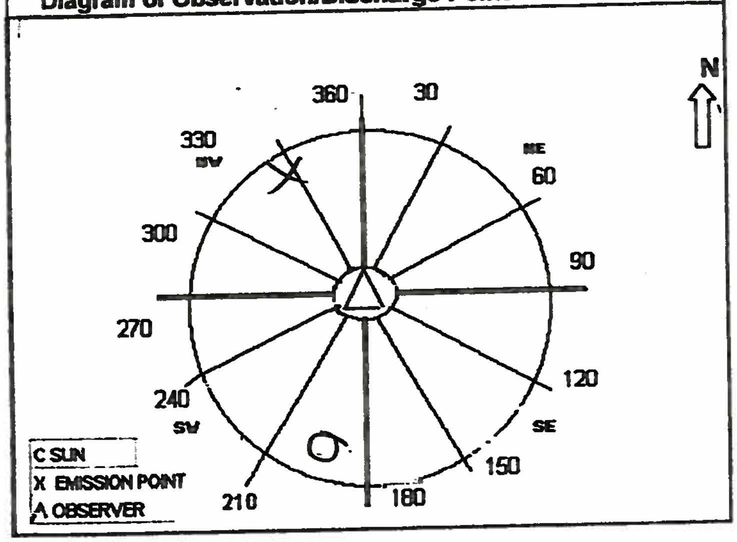
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 4/6/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:19	2:26	0	0

	Initial	Final
Distance to discharge	120'	120'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	6 mph	6 mph
Ambient temperture	71°	71°
Discharge temperture	71°	71°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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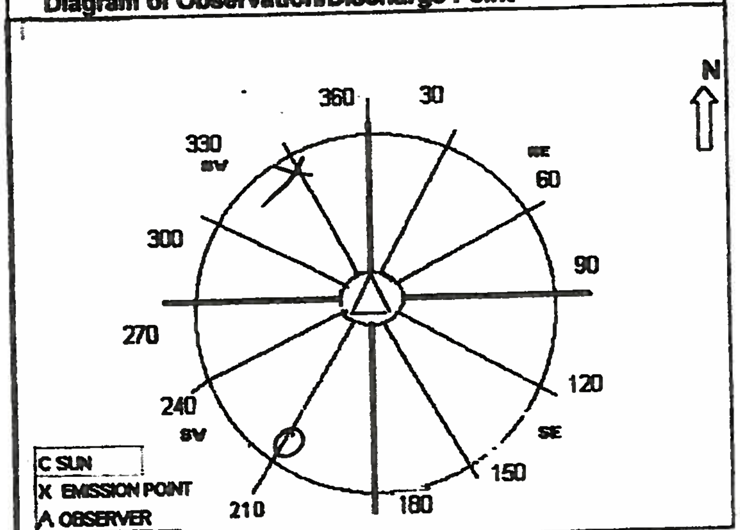
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:29	2:35	0	0

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 4/6/05
Is emission point operation normal? yes

	Initial	Final
Distance to discharge	130'	130'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	6 mph	6 mph
Ambient temperture	71°	71°
Discharge temperture	71°	71°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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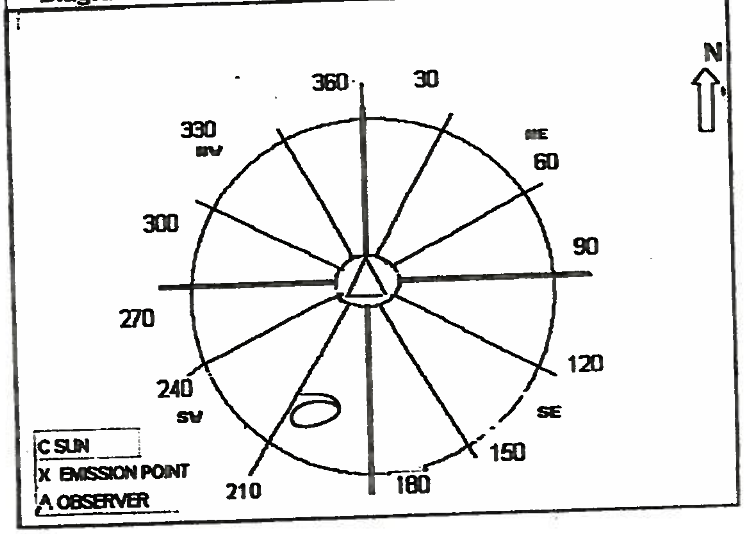
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 4/6/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:39	2:34	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	6 mph	6 mph
Ambient temperture	71°	71°
Discharge temperture	71°	71°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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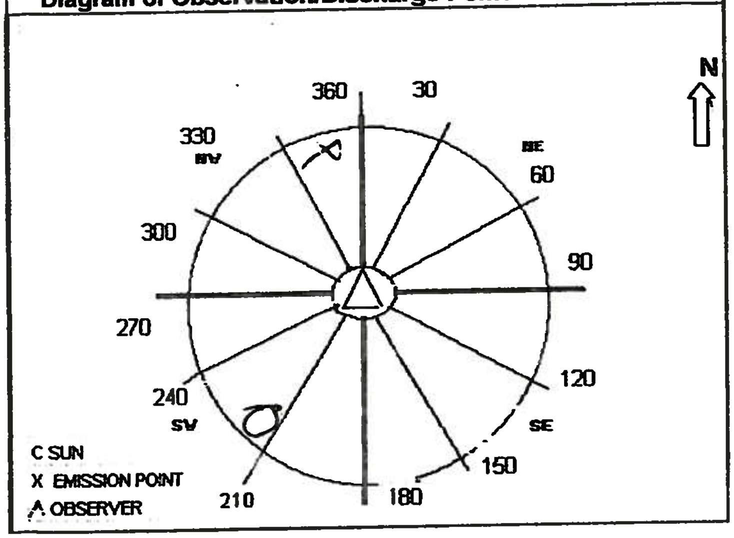
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 4/6/05
Is emission point operation normal? ________

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
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4				
5				
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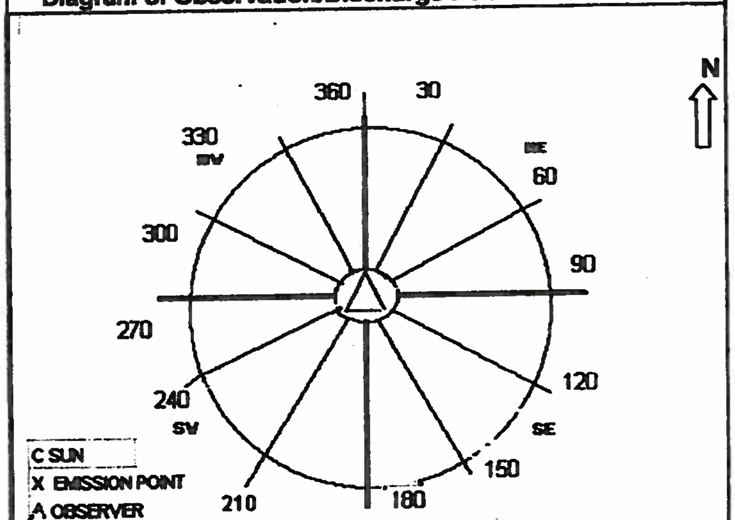
Diagram of Observation/Discharge Point



Remarks: NOT in operation
O emissions

Received by: ________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3746

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AB-002A 350hp Boiler

Date: 3/30/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:09	11:15	130	5.4

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	72°	72°
Discharge temperture	559°	508°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	10	0
2	10	10	10	10
3	10	0	0	10
4	0	0	10	0
5	10	10	10	10
0				
1				
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4				
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0				
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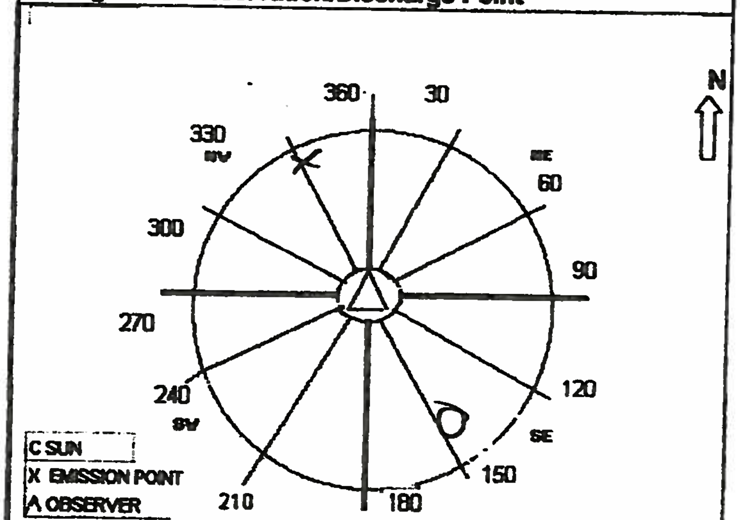
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 3/30/05
Is emission point operation normal? yes

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:55	11:00	100	4.1

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	72°	72°
Discharge temperture	546°	529°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	0	0
2	0	0	10	10
3	10	10	10	10
4	0	0	0	0
5	0	0	10	10
0				
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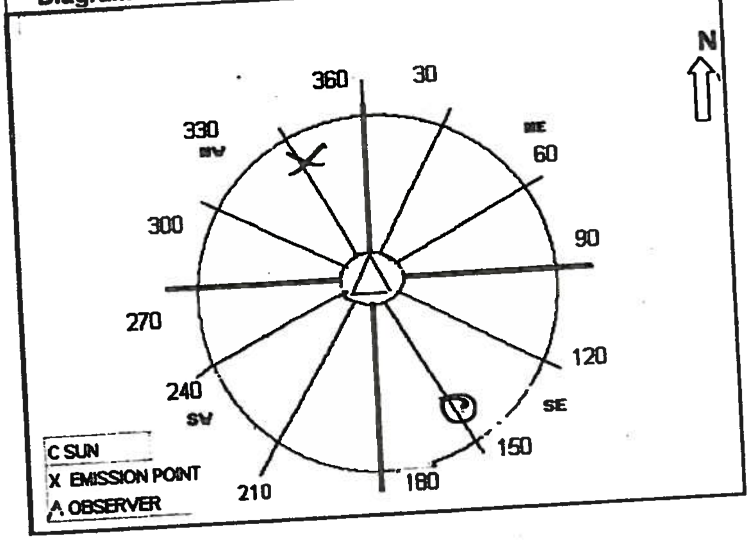
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp cyclone
Date: 3/30/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:20	11:25	0	0

	Initial	Final
Distance to discharge	95'	95'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	72°	72°
Discharge temperture	72°	72°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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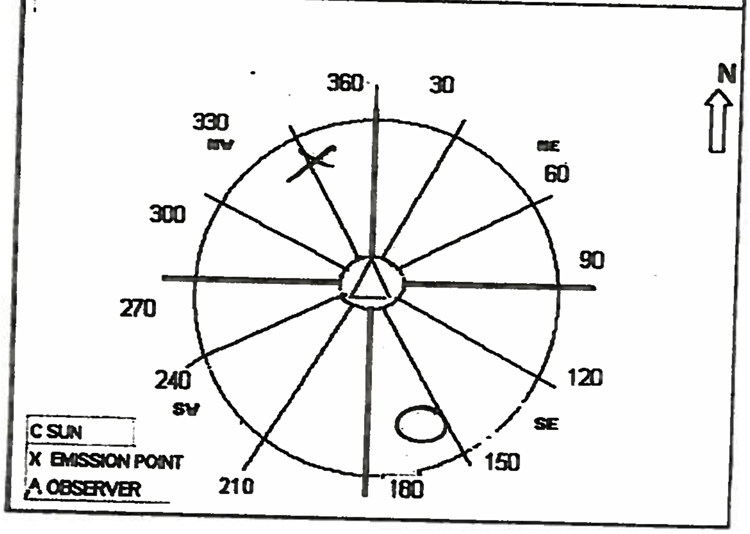
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 3/30/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:28	11:33	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	72°	72°
Discharge temperture	72°	72°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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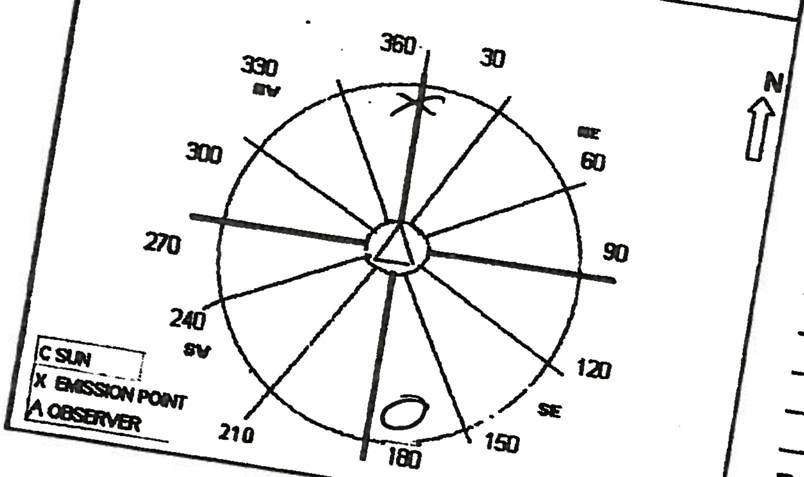
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 3/30/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:39	11:44	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	72°	72°
Discharge temperture	72°	72°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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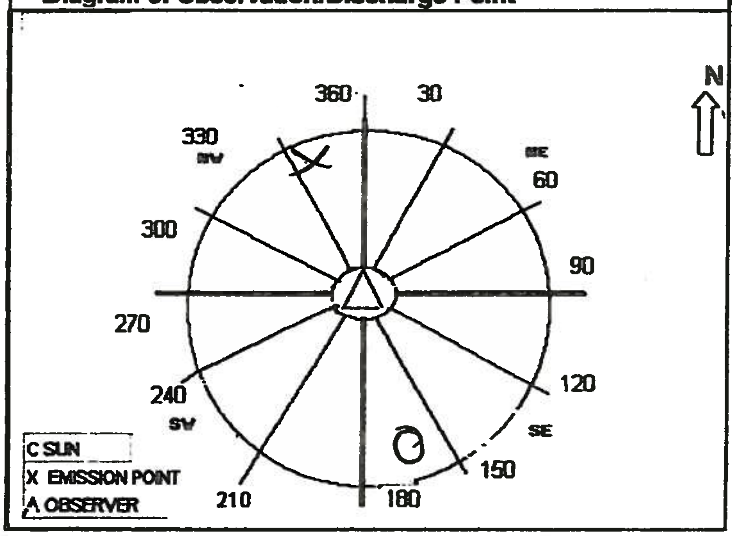
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 3/30/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:50	11:54	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	72°	72°
Discharge temperture	72°	72°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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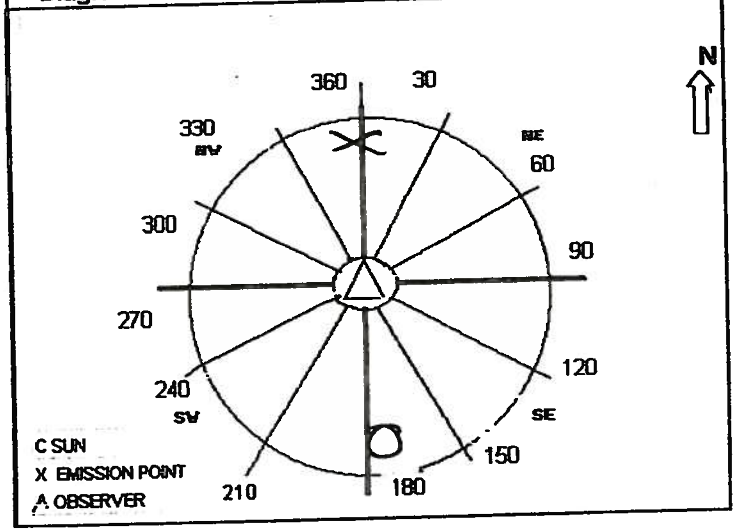
Diagram of Observation/Discharge Point



Remarks: ____________________

Received by: ____________________

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 3/30/05
Is emission point operation normal? ____________

V.E. Observer: [illegible signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
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0				
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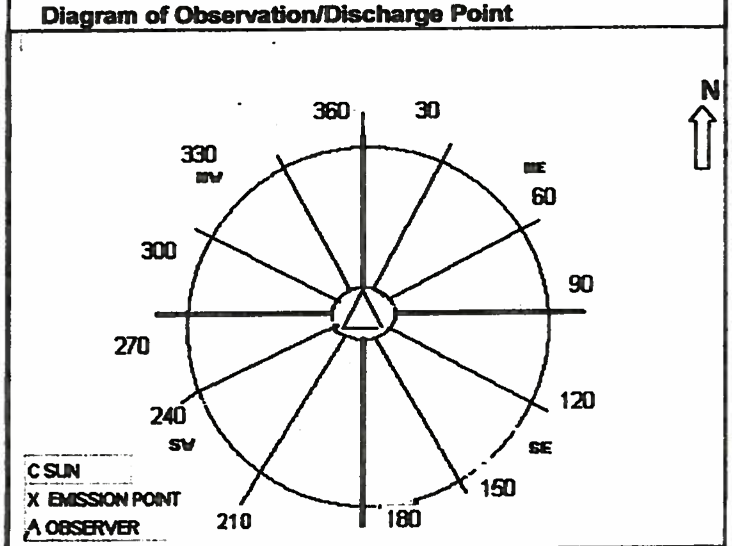
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-001A 600hp

Date: 3/23/05

Is emission point operation normal? ____________

V.E. Observer:

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:54	3:00	120	5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	6 mph	6 mph
Ambient temperture	60°	60°
Discharge temperture	529°	541°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	0
1	0	0	0	0
2	0	10	10	10
3	10	10	10	0
4	0	0	0	0
5	0	10	10	10
0				
1				
2				
3				
4				
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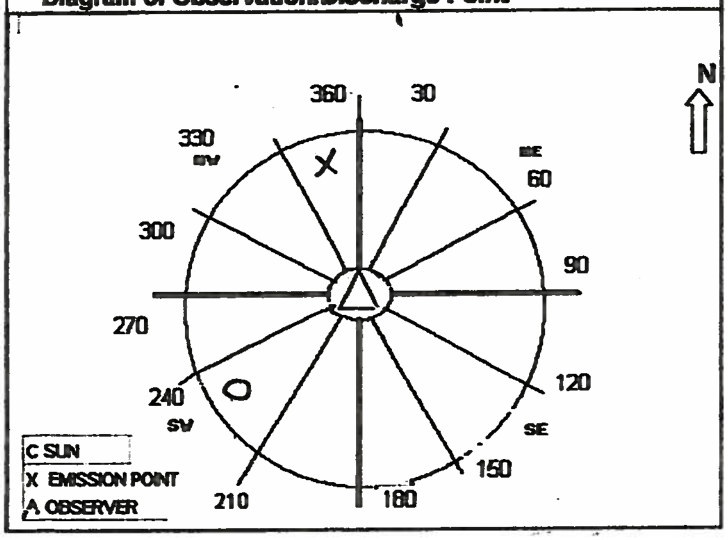
5				

Diagram of Observation/Discharge Point



Remarks: ____________

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AB-002A 350hp Boiler

Date: 3/23/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:08	3:13	90	3.7

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	6 mph	6 mph
Ambient temperture	60°	60°
Discharge temperture	562°	53[illegible]°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	10	10	10
3	10	10	10	10
4	10	10	0	0
5	0	0	0	0
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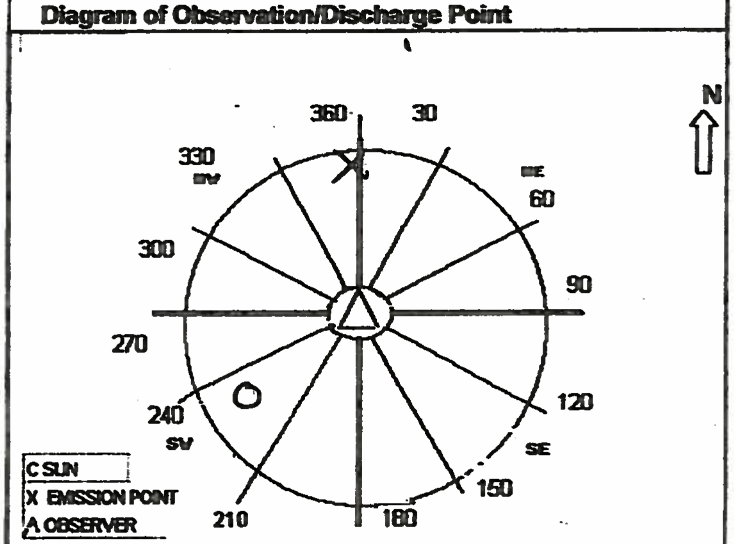
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp cyclone
Date: 3/23/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:17	3:22	0	0

	Initial	Final
Distance to discharge	95'	95'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	6 mph	6 mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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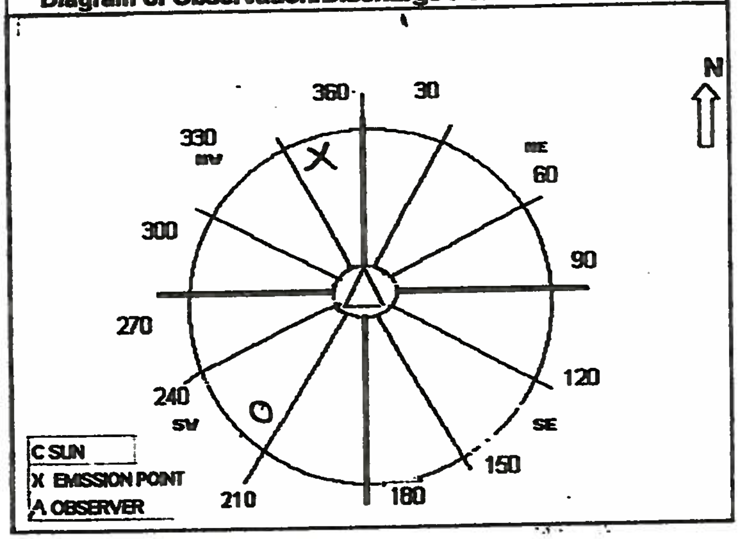
Diagram of Observation/Discharge Point



Remarks: ____________________

Received by: ____________________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 3/23/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:25	3:30	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	6 mph	6 mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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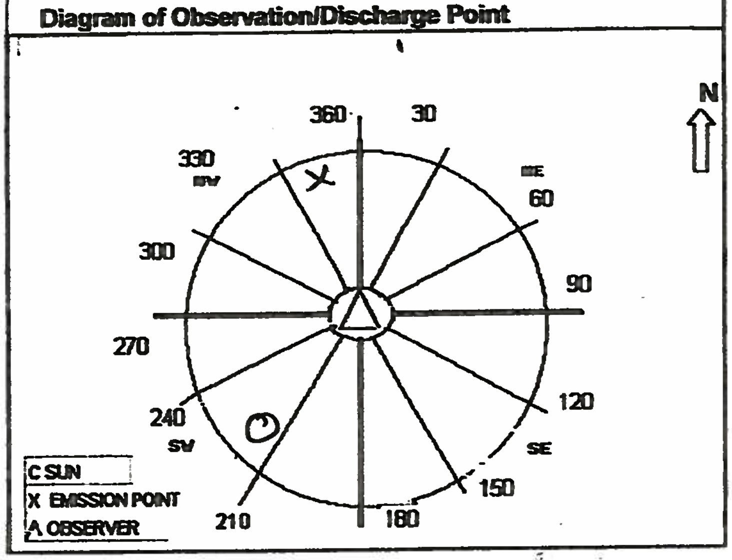
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp cyclone
Date: 3/23/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:42	3:47	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	6mph	6mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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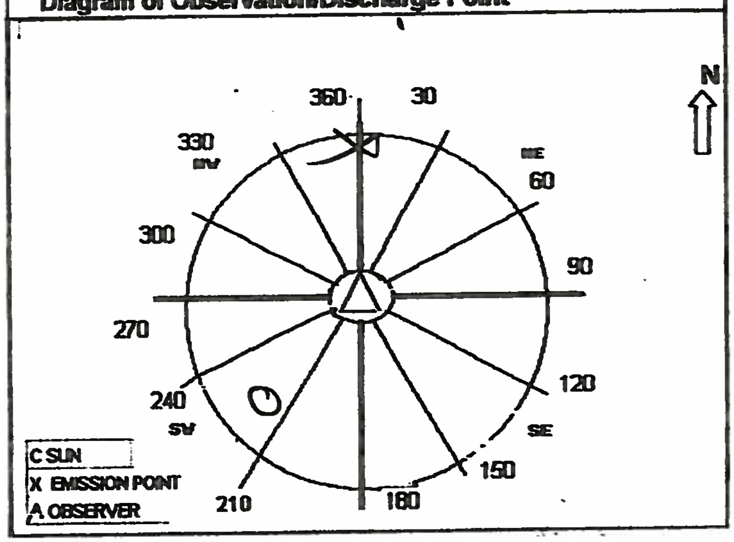
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-008 Mill Chipper

Date: 3/23/05

Is emission point operation normal? yes

V.E. Observer:

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:51	3:55	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	6 mph	6 mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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0				
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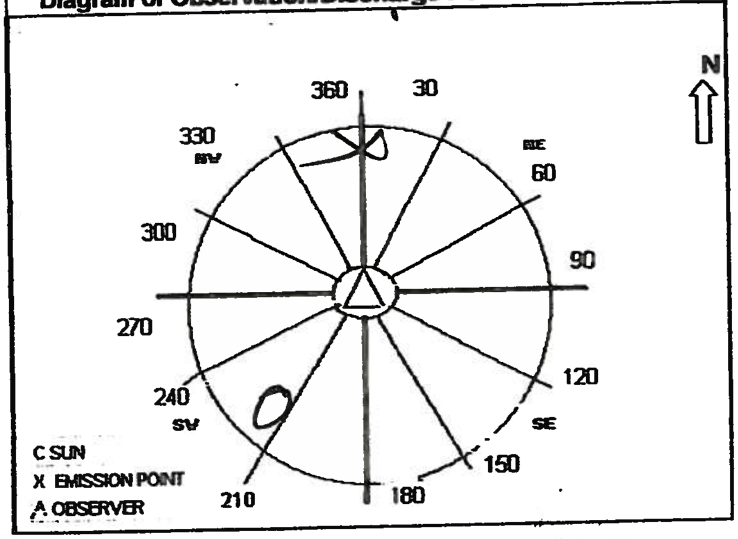
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: ______
Is emission point operation normal? ______

V.E. Observer: ______
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
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3				
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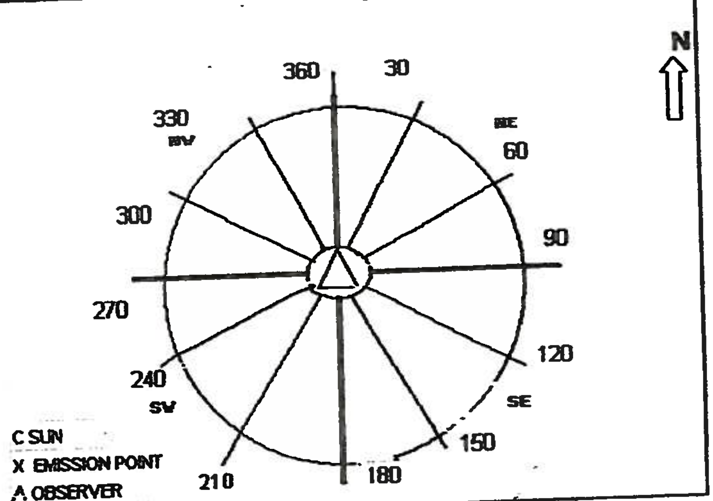
Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-001A 600hp

Date: 3/16/05

Is emission point operation normal? Yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:08	10:13	80	3.3

	Initial	Final
Distance to discharge	95'	95'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	[redacted]	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	7mph	7mph
Ambient temperture	42°	42°
Discharge temperture	558°	542°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	10
2	10	10	10	10
3	10	0	0	0
4	0	0	0	0
5	0	0	0	10
0				
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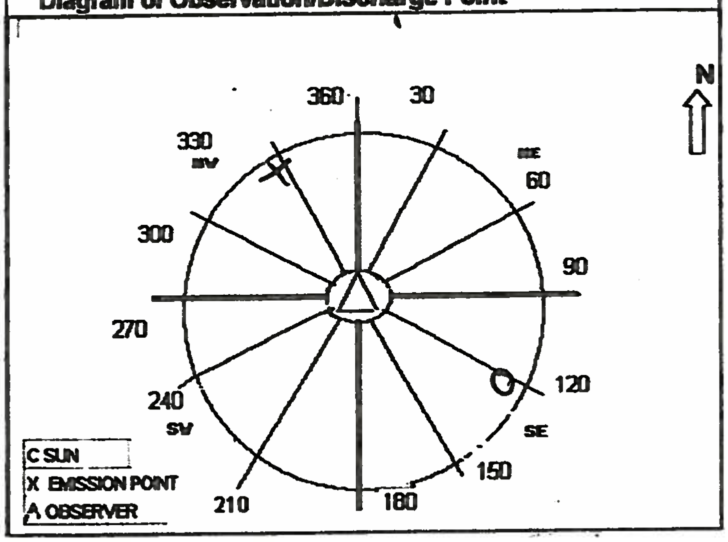
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 3/16/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:20	10:26	140	5.8

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	7mph	7mph
Ambient temperture	42°	42°
Discharge temperture	496°	544°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	10	10
2	10	0	0	0
3	0	0	0	0
4	0	0	10	10
5	10	10	10	0
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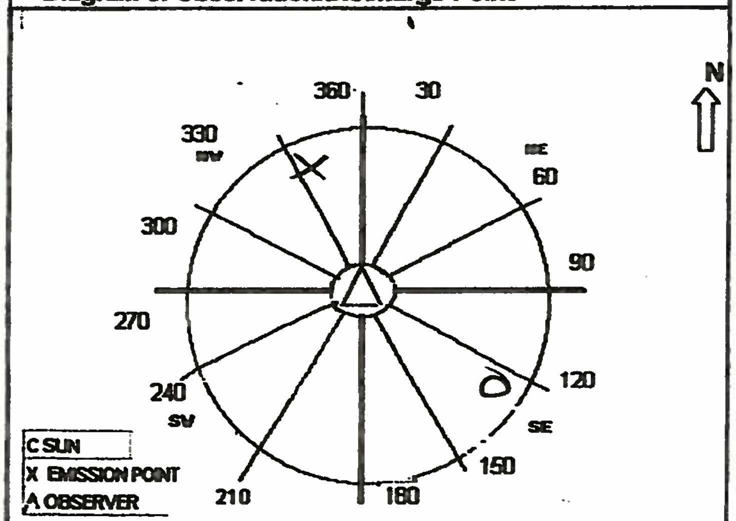
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp cyclone

Date: 3/16/05

Is emission point operation normal? yes

V.E. Observer: [illegible signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:31	10:39	0	0

	Initial	Final
Distance to discharge	70'	70'
Height of observation point	0	0
Height of discharge	95'	95'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	7mph	7mph
Ambient temperture	42°	42°
Discharge temperture	42°	42°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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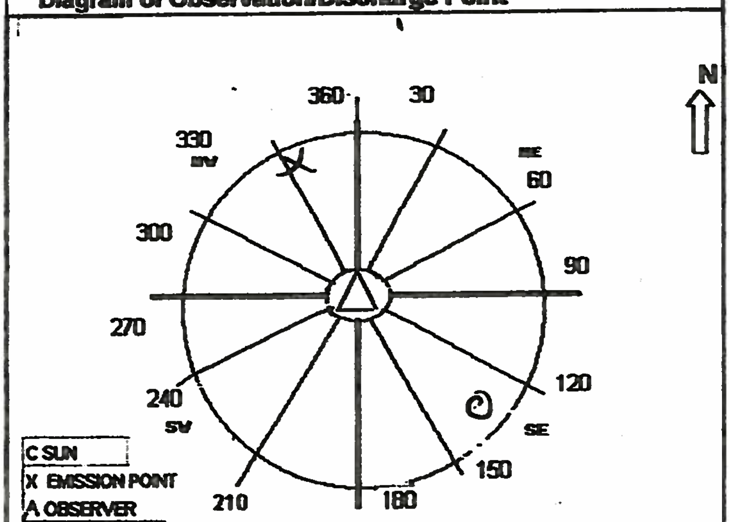
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 3/16/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:40	10:45	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	7mph	7mph
Ambient temperture	42°	42°
Discharge temperture	42°	42°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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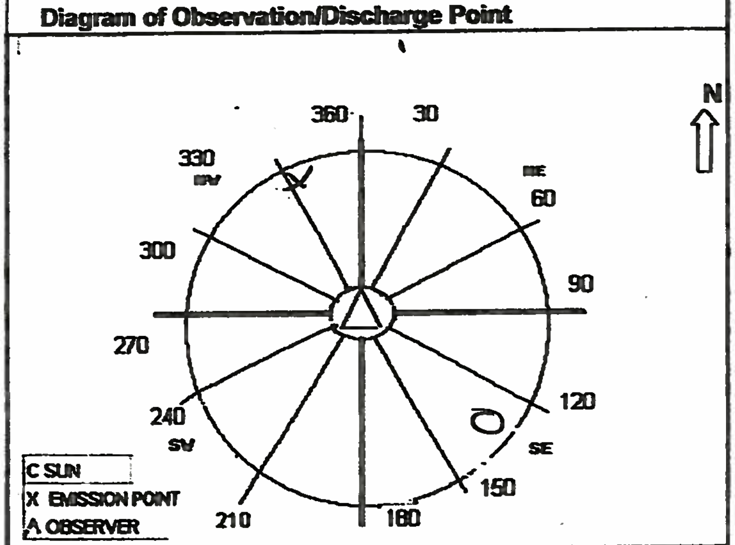
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 3/16/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:49	10:54	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	No	no
Wind direction (from)	North	North
Wind speed	7mph	7mph
Ambient temperture	42°	42°
Discharge temperture	42°	42°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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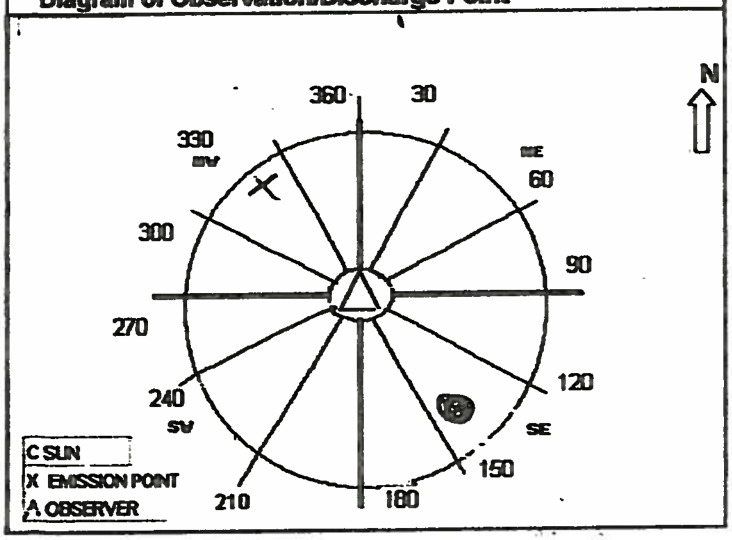
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 3/16/06
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	11:07	11:12	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	7mph	7mph
Ambient temperture	42°	42°
Discharge temperture	42°	42°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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0				
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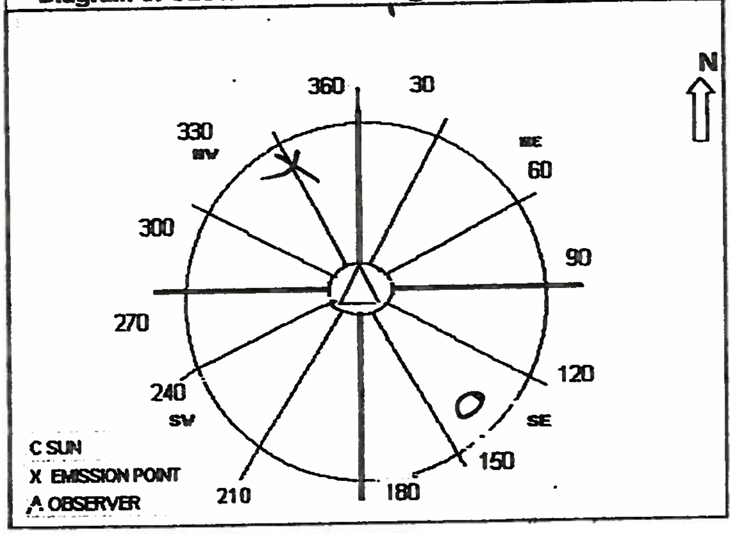
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [illegible]
Certification Expiration: 4/23/05

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 3/16/05
Is emission point operation normal? ______

Set #	Time Start	Time End	Opacity Sum	Opacity Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
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0				
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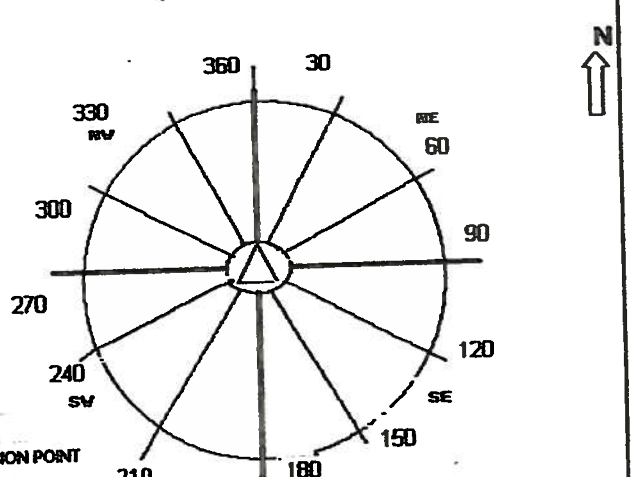
5				

Diagram of Observation/Discharge Point



C SUN
X EMISSION POINT
A OBSERVER

Remarks: NOT in operation
O emission

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 3/9/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1:54	2:00	10	4.5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	55°	55°
Discharge temperture	511°	542°
Sky conditions	Clear	Clear

Min	0	15	30	45
0	0	0	10	10
1	10	10	10	0
2	0	0	0	0
3	0	0	0	10
4	10	10	10	10
5	10	0	0	0
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1				
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4				
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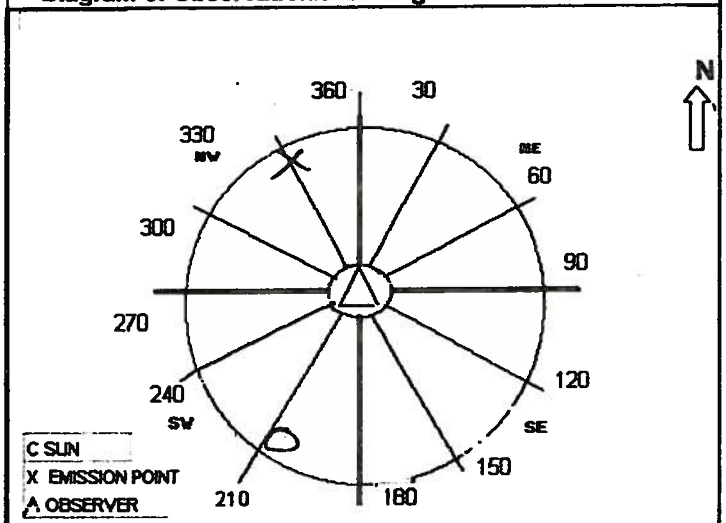
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3746

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 3/9/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:04	2:09	140	5.8

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5 mph	5 mph
Ambient temperture	55°	55°
Discharge temperture	564°	552°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	10	10	10
3	10	10	10	10
4	10	10	10	10
5	10	10	10	0
0				
1				
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3				
4				
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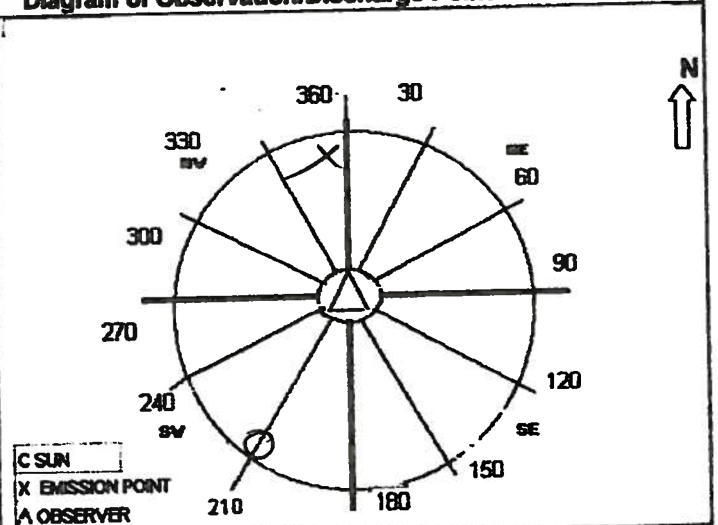
5				

Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 3/9/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:15	2:20	0	0

	Initial	Final
Distance to discharge	95'	95'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	55°	55°
Discharge temperture	55°	55°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
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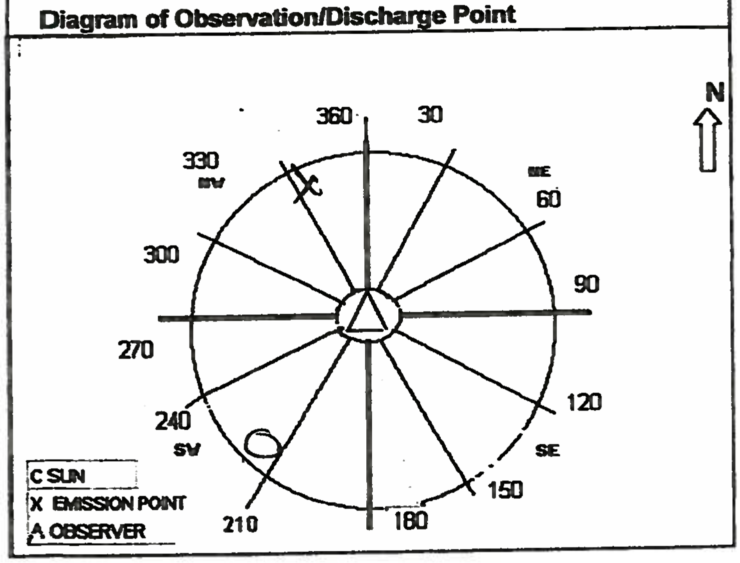
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 3/9/05
Is emission point operation normal? yes

V.E. Observer: [illegible]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	2:25	2:31	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	Sw	Sw
Wind speed	5mph	5mph
Ambient temperture	55°	55°
Discharge temperture	55°	55°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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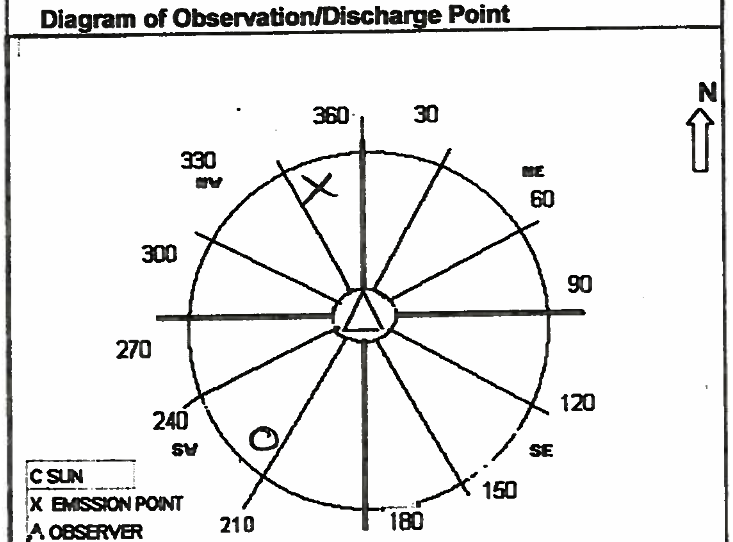
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-005 350hp Cyclone

Date: 3/9/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2137	2142	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	5mph	5mph
Ambient temperture	55°	55°
Discharge temperture	55°	55°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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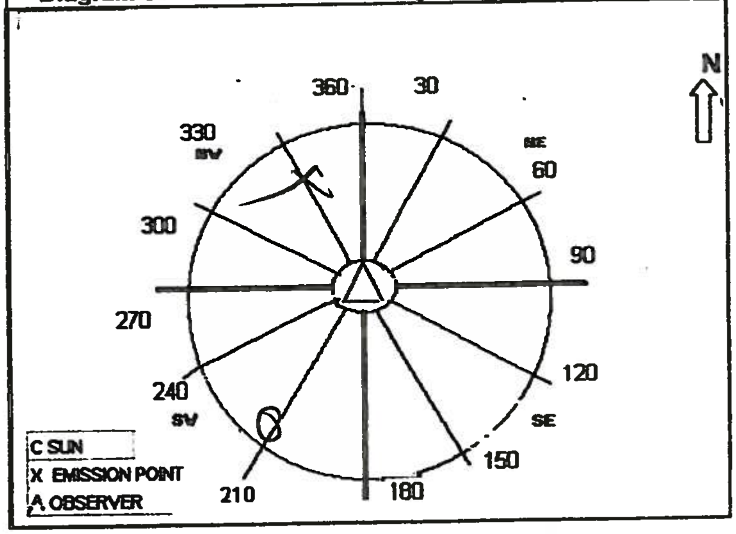
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 3/9/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:48	2:53	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	Sw	Sw
Wind speed	5mph	5mph
Ambient temperture	55°	55°
Discharge temperture	55°	55°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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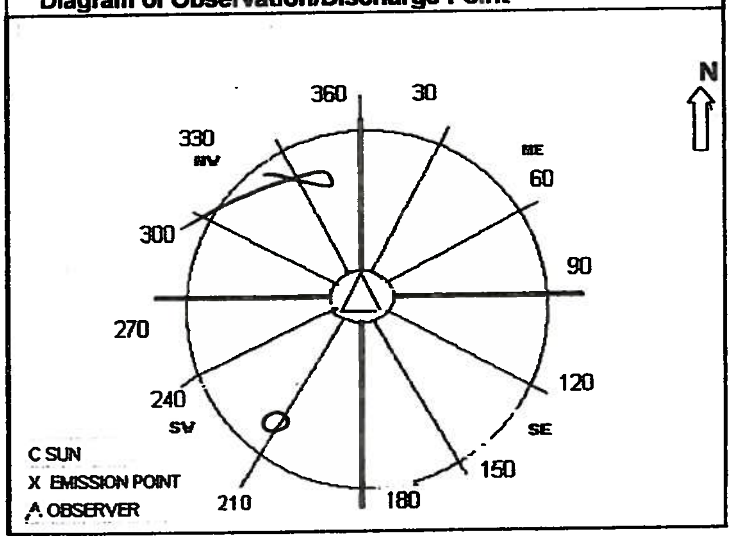
Diagram of Observation/Discharge Point



Remarks:

Received by:

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221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-009 Portable Chipper

Date: 3/9/05

Is emission point operation normal? ______

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Seconds				
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
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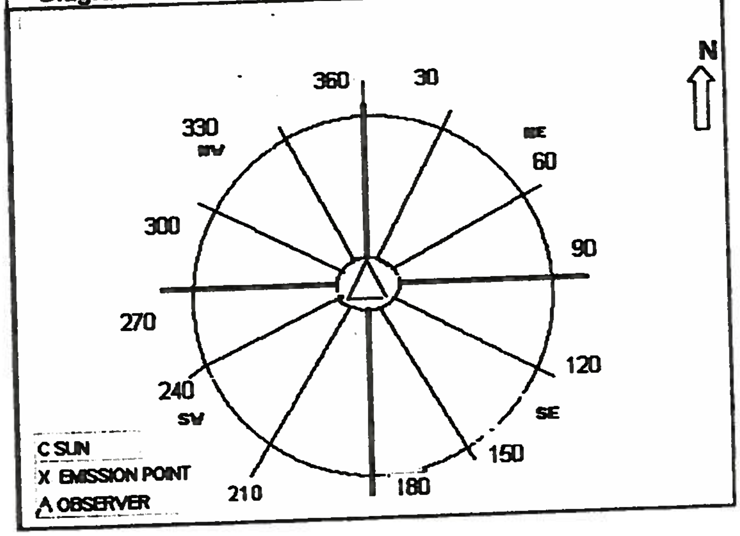
Diagram of Observation/Discharge Point



Remarks: NOT in operation

0 emission

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-001A 600hp

Date: 3/2/05

Is emission point operation normal? yes

V.E. Observer:

Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	8:00	8:06	110	4.5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	3mph	3mph
Ambient temperture	39°	39°
Discharge temperture	503°	521°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	10	10	10
1	10	10	10	10
2	10	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	10	10	10
0				
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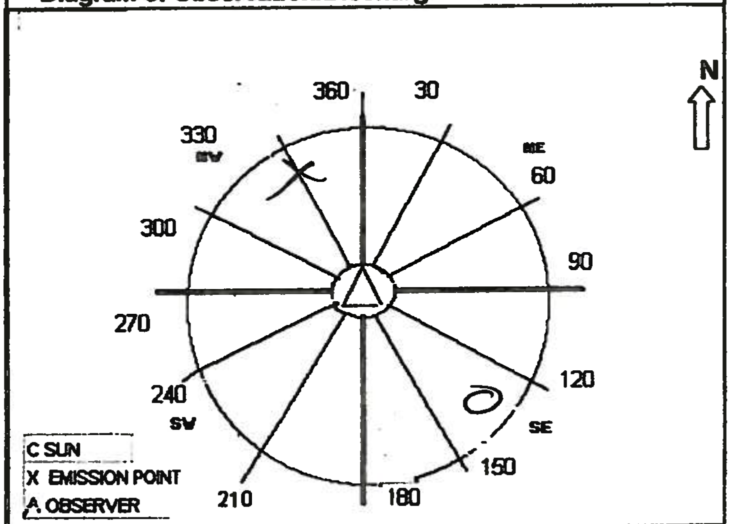
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	8:11	8:16	80	3.3

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AB-002A 350hp Boiler

Date: 3/2/05

Is emission point operation normal? yes

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	3mph	3mph
Ambient temperture	39°	39°
Discharge temperture	549°	531°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	0	0
2	0	0	0	0
3	0	10	10	10
4	10	10	10	0
5	0	0	0	0
0				
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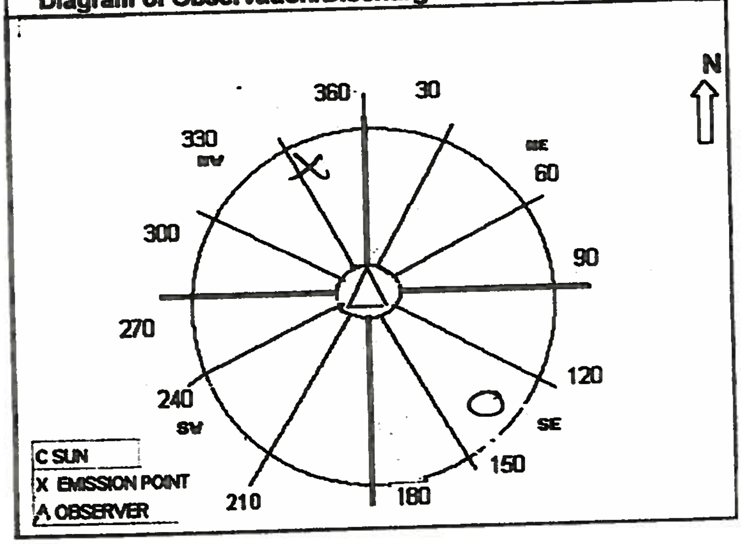
5				

Diagram of Observation/Discharge Point



Remarks: ______

Received by: ______

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	8:21	8:26	0	0

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 3/2/05
Is emission point operation normal? ________

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	20'	20'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	3mph	3mph
Ambient temperture	39°	39°
Discharge temperture	39°	39°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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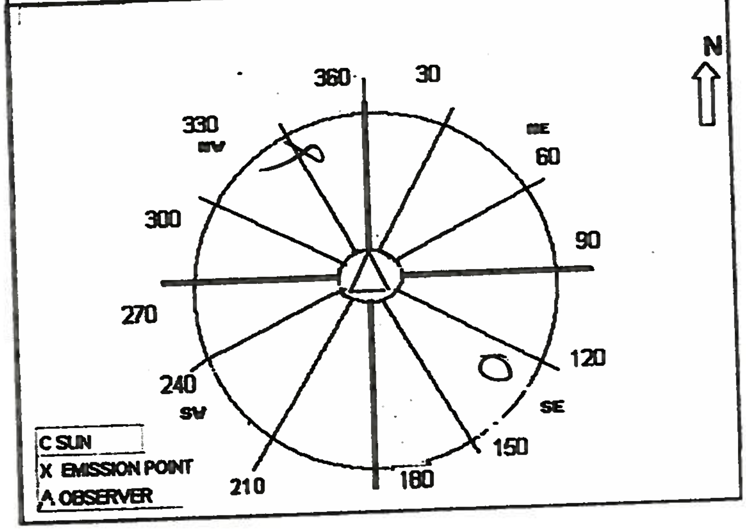
Diagram of Observation/Discharge Point



Remarks: ________

Received by: ________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 3/2/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	8:30	8:35	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	3mph	3mph
Ambient temperture	39°	39°
Discharge temperture	39°	39°
Sky conditions	Clear	Clear

	Seconds			
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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3				
4				
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0				
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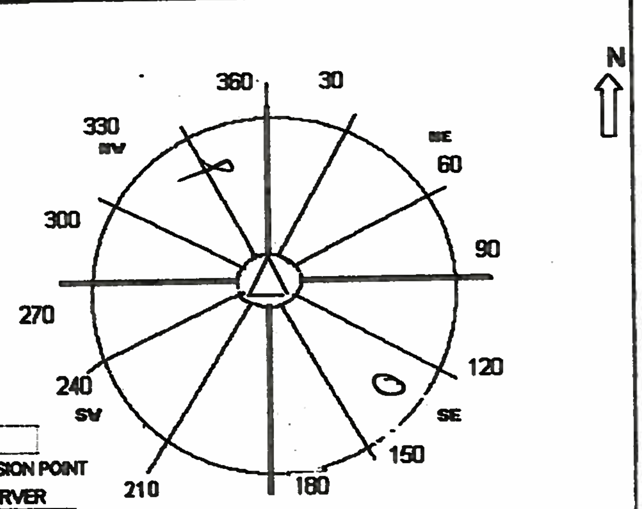
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 3/2/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	8:41	8:46	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SE	SE
Wind speed	3mph	3mph
Ambient temperture	39°	39°
Discharge temperture	39°	39°
Sky conditions	Clear	Clear

Seconds				
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
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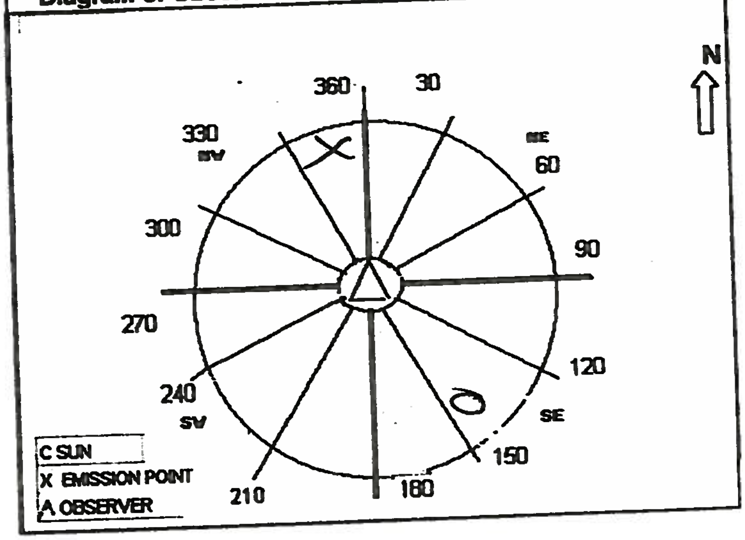
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 3/2/05
Is emission point operation normal?

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
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1				
2				
3				
4				
5				
0				
1				
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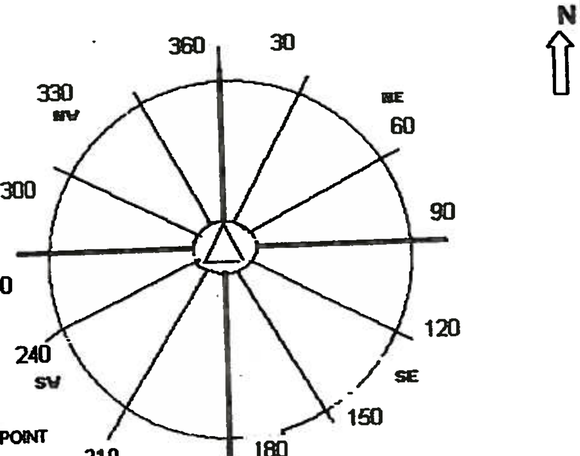
3				
4				
5				

Diagram of Observation/Discharge Point



C SUN
X EMISSION POINT
A OBSERVER

Remarks: NOT in operation
0 emission

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date:
Is emission point operation normal?

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
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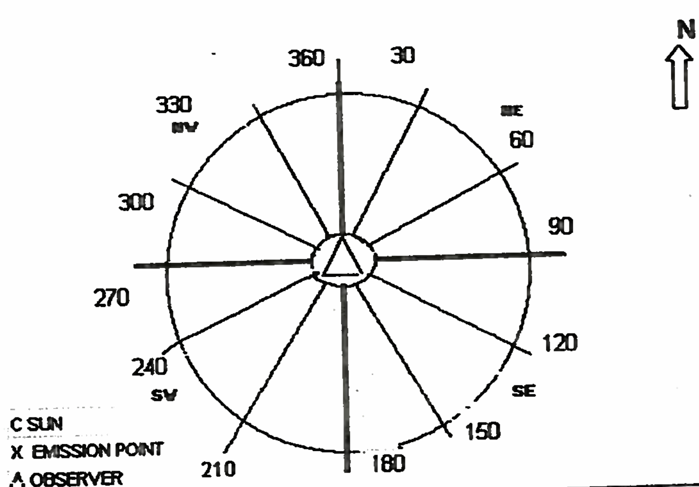
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 2/24/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:00	9:06	110	4.5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	5 mph	5 mph
Ambient temperture	50°	50°
Discharge temperture	567°	429°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	10
2	10	10	10	10
3	10	10	10	10
4	10	10	0	0
5	0	0	0	0
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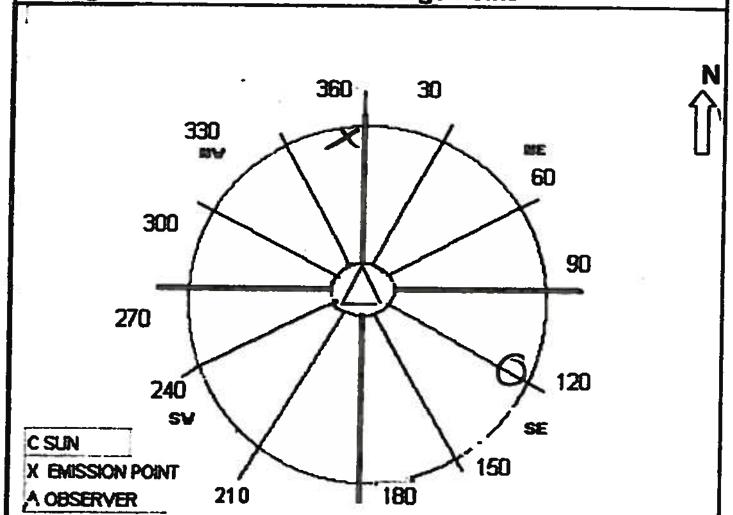
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 2/24/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:11	9:16	140	5.8

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	5 mph	5 mph
Ambient temperture	50°	50°
Discharge temperture	550°	538°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	10	10
2	10	10	10	10
3	10	0	0	0
4	0	0	0	10
5	10	10	10	10
0				
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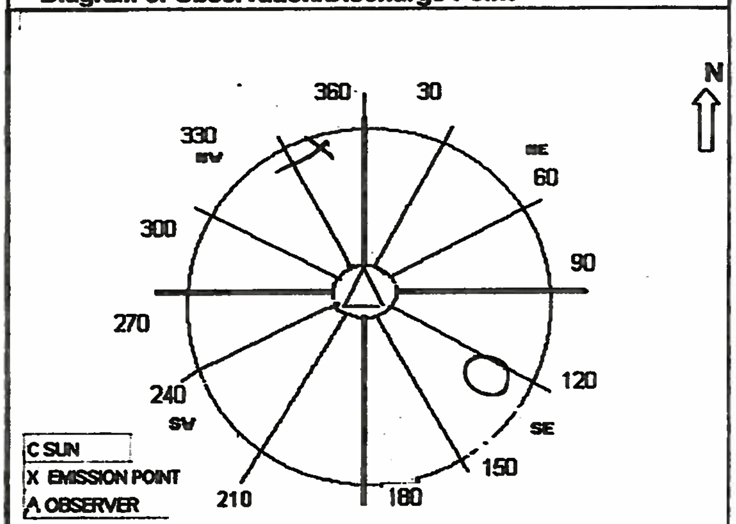
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 2/24/05
Is emission point operation normal? Yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	9:20	9:25	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	5mph	5mph
Ambient temperture	50°	50°
Discharge temperture	50°	50°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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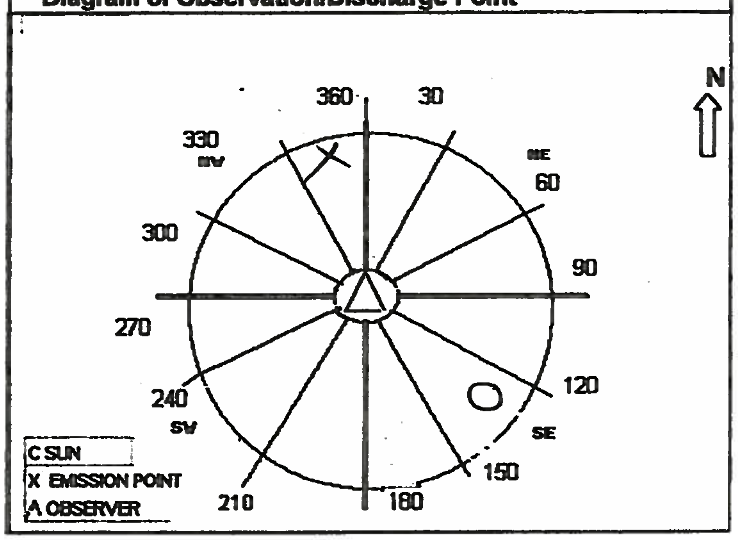
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 2/24/06
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:32	9:37	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	5mph	5mph
Ambient temperture	50°	50°
Discharge temperture	50°	50°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
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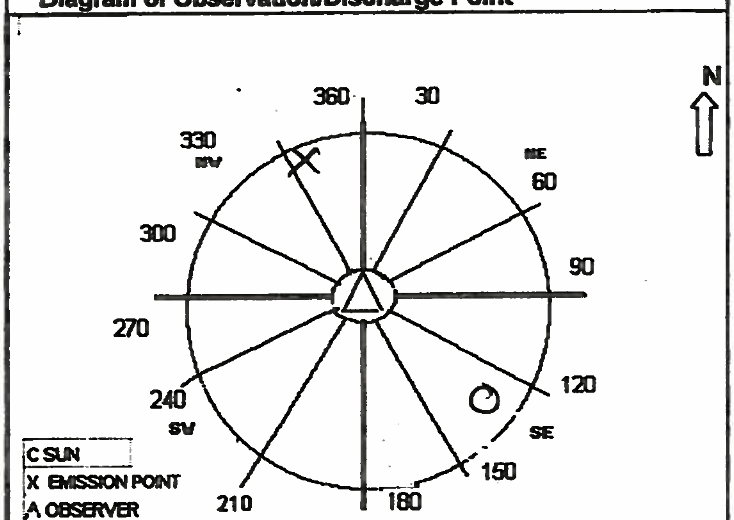
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 2/24/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:41	9:46	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	5mph	5mph
Ambient temperture	50°	50°
Discharge temperture	50°	50°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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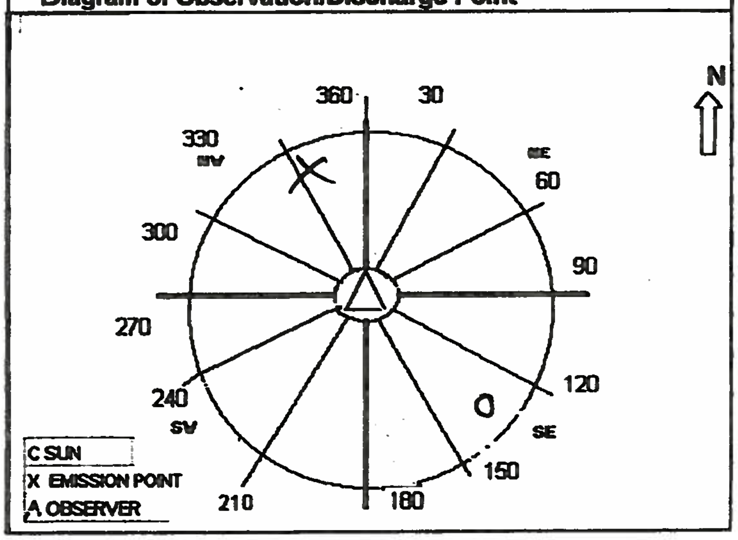
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 2/24/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	9:49	9:54	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	5 mph	5 mph
Ambient temperture	50°	50°
Discharge temperture	50°	50°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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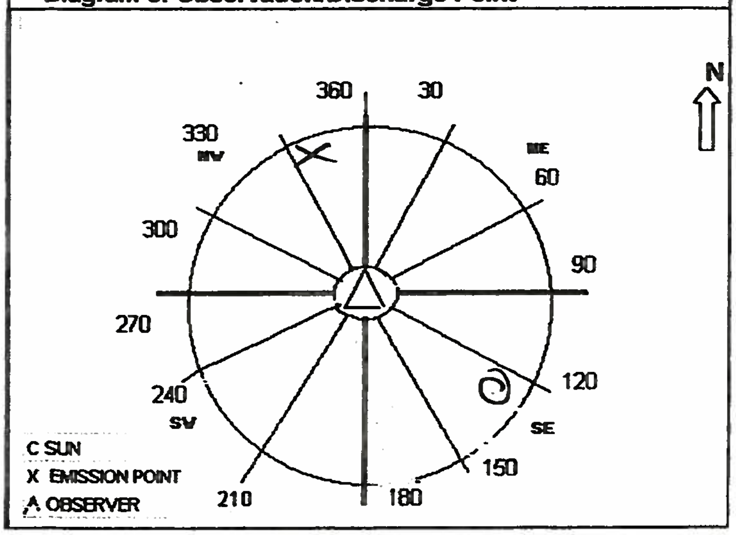
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 2/24/05
Is emission point operation normal? ____________

V.E. Observer: [illegible]
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
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3				
4				
5				
0				
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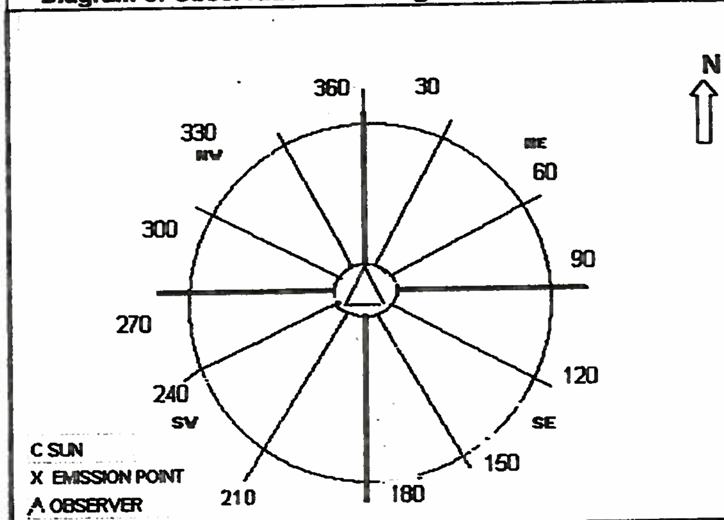
Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by: ____________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 2/16/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:33	9:38	90	3.7

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Clear	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5mph	5mph
Ambient temperture	62°	62°
Discharge temperture	568°	537°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	10
2	10	10	10	10
3	10	10	0	0
4	0	0	0	0
5	0	0	10	10
0				
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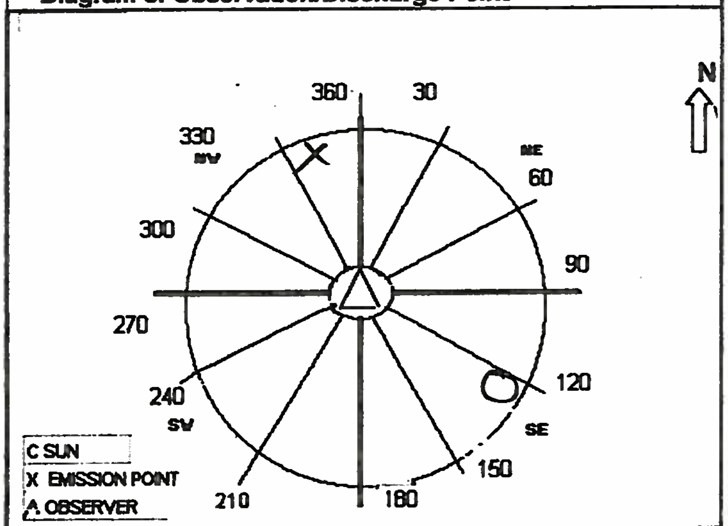
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 2/16/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:44	9:49	100	4.1

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5 mph	5 mph
Ambient temperture	62°	62°
Discharge temperture	552°	541°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	10	10	0	0
1	0	0	0	10
2	10	10	10	10
3	0	0	0	0
4	0	0	0	10
5	10	10	0	0
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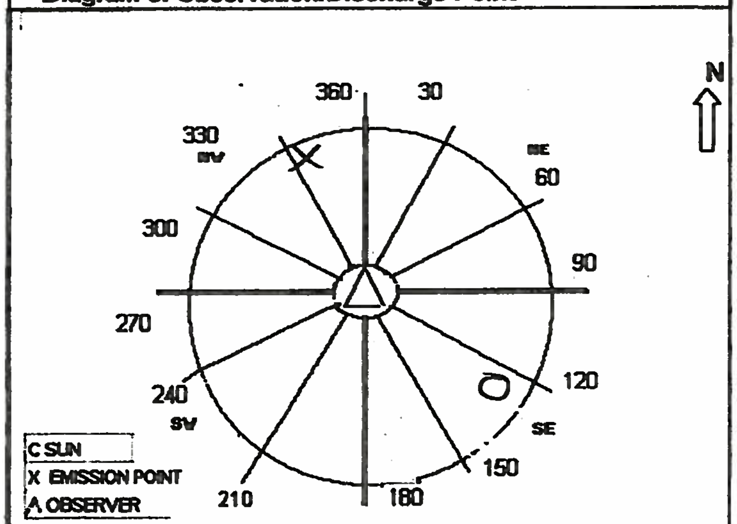
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp cyclone

Date: 2/16/05

Is emission point operation normal? yes

V.E. Observer: [illegible signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:55	10:01	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5mph	5mph
Ambient temperture	62°	62°
Discharge temperture	62°	62°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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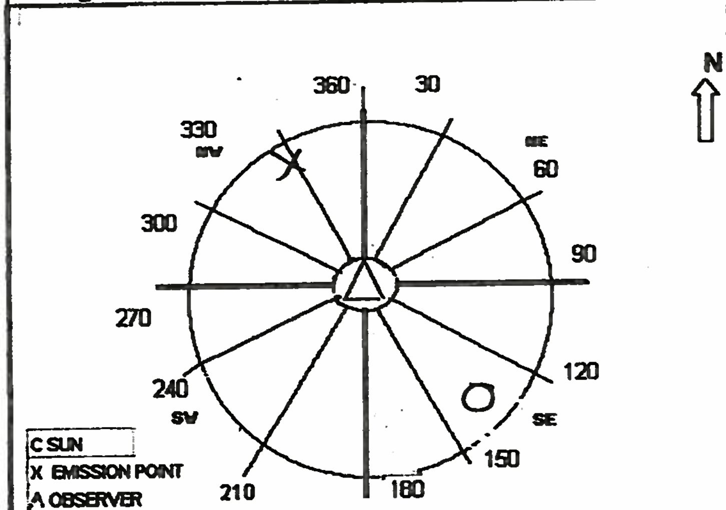
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

Date: 2/16/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:06	10:12	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	West	West
Wind speed	5 mph	5 mph
Ambient temperture	62°	62°
Discharge temperture	62°	62°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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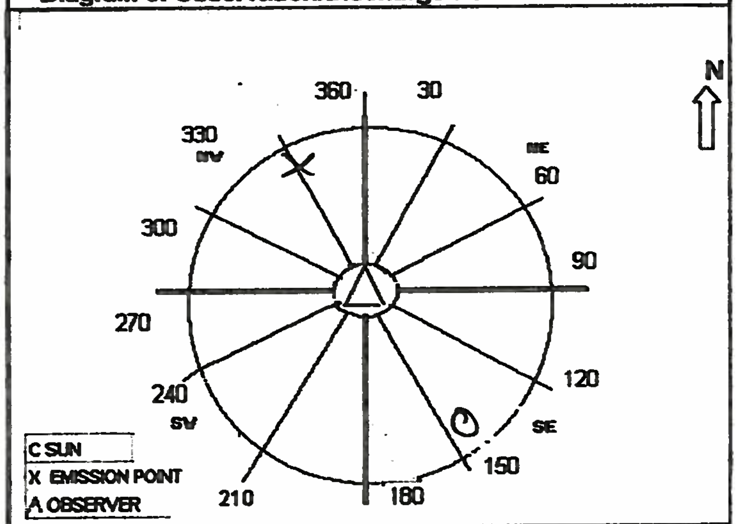
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 2/16/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:17	10:22	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5mph	5mph
Ambient temperture	62°	62°
Discharge temperture	62°	62°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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3				
4				
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0				
1				
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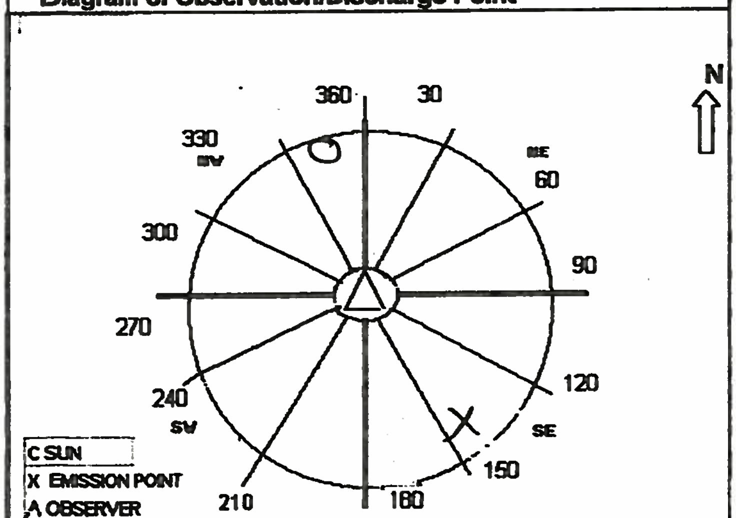
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 2/16/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	10:25	10:30	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	west	west
Wind speed	5mph	5mph
Ambient temperture	62°	62°
Discharge temperture	62°	62°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
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0				
1				
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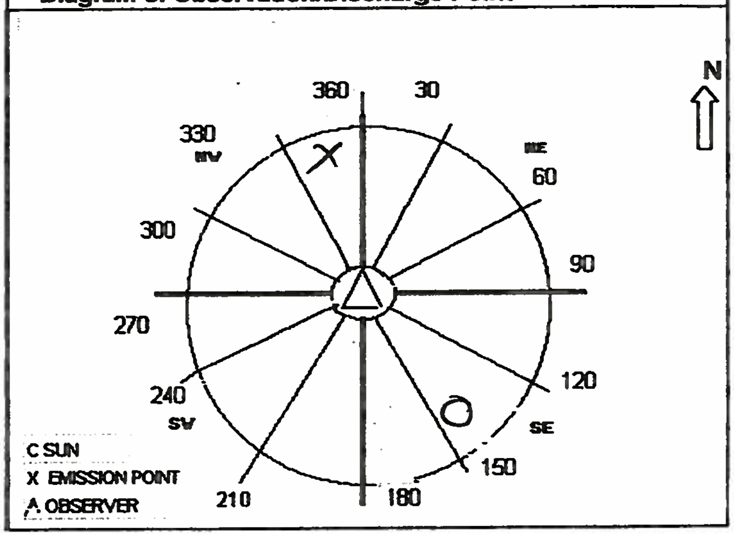
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-009 Portable Chipper

Date: 2/16/05

Is emission point operation normal?________

V.E. Observer: [illegible]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Seconds

Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
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3				
4				
5				
0				
1				
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4				
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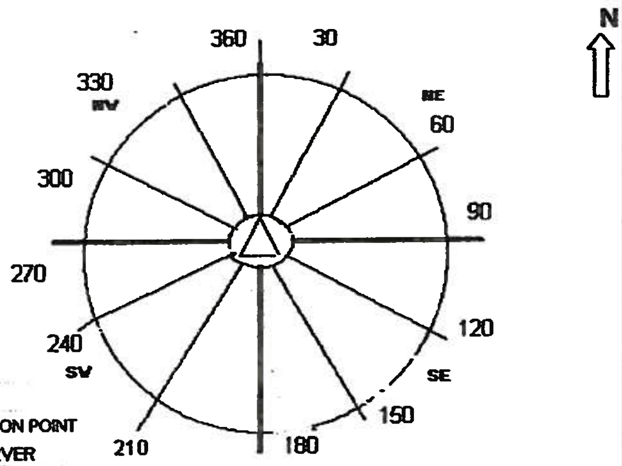
Diagram of Observation/Discharge Point



C SUN

X EMISSION POINT

A OBSERVER

Remarks: NOT in operation

0 emissions

Received by:________

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 2/9/05
Is emission point operation normal? yes

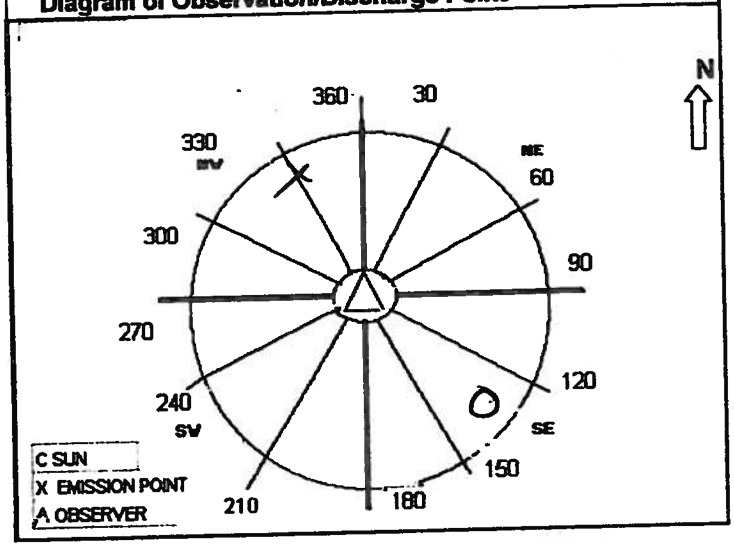
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:30	8:35	150	6.2

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Black	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4 mph	4 mph
Ambient temperture	60°	60°
Discharge temperture	499°	556°
Sky conditions	P.cloudy	P.Cloudy

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	10	10	0
2	0	0	0	0
3	0	10	10	10
4	10	10	10	10
5	10	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3735 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 2/9/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:39	8:46	120	5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	60°	60°
Discharge temperture	498°	542°
Sky conditions	P.Cloudy	P.Cloudy

Min	Seconds 0	15	30	45
0	0	0	10	10
1	10	10	10	0
2	0	0	0	0
3	0	0	0	10
4	10	10	10	10
5	10	10	0	0
0				
1				
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3				
4				
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0				
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3				
4				
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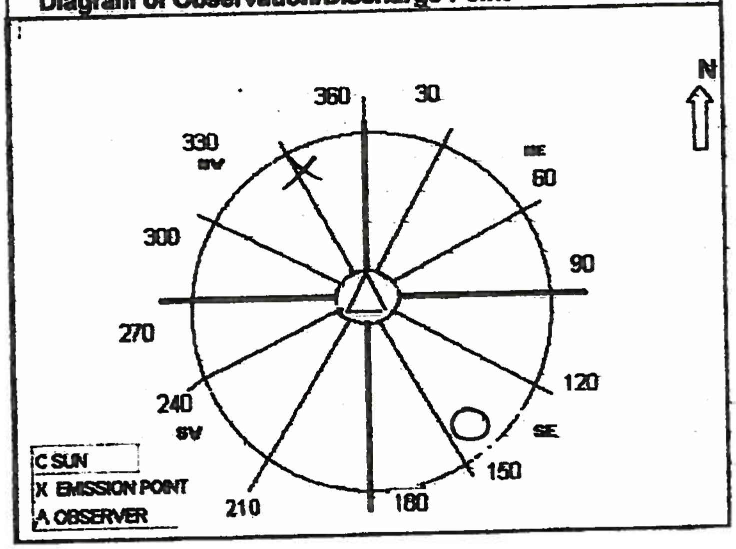
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-003 600hp Cyclone
Date: 2/9/05
Is emission point operation normal? yes

V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	8:52	8:57	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4 mph	4 mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	P.Cloudy	P.Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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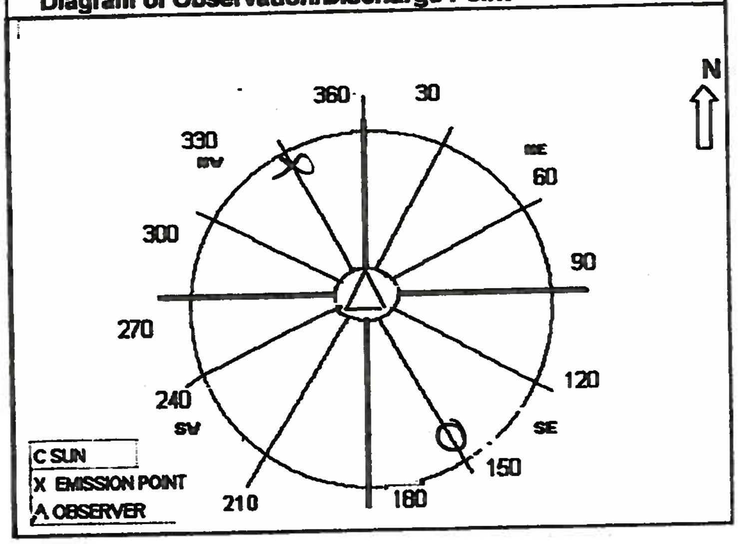
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 2/9/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:05	9:10	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	P. Cloudy	P. Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
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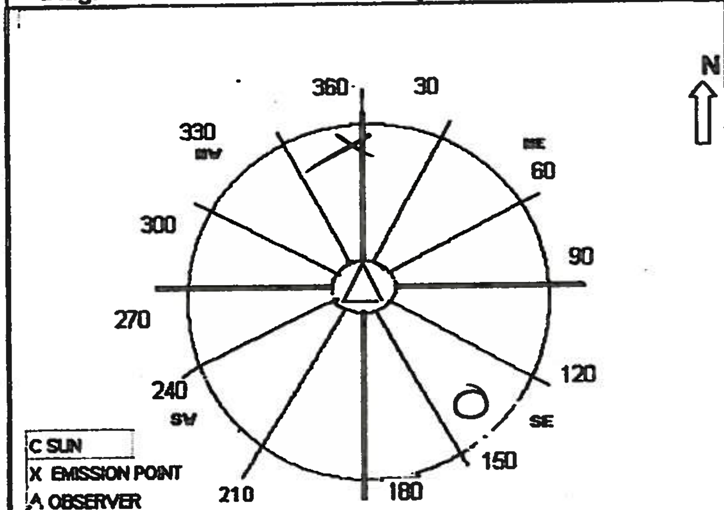
Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3749

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-005 350hp Cyclone

Date: 2/9/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:18	9:23	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4mph	4mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	P.Cloudy	P.Cloudy

Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
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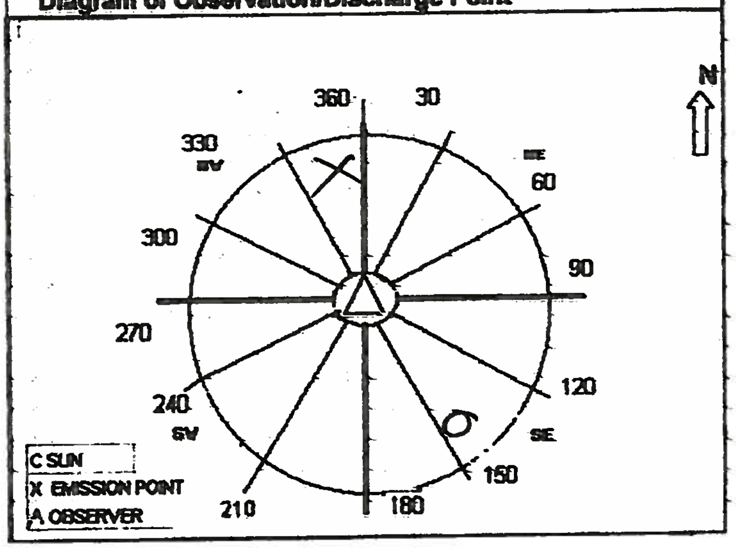
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 2/9/05
Is emission point operation normal? yes

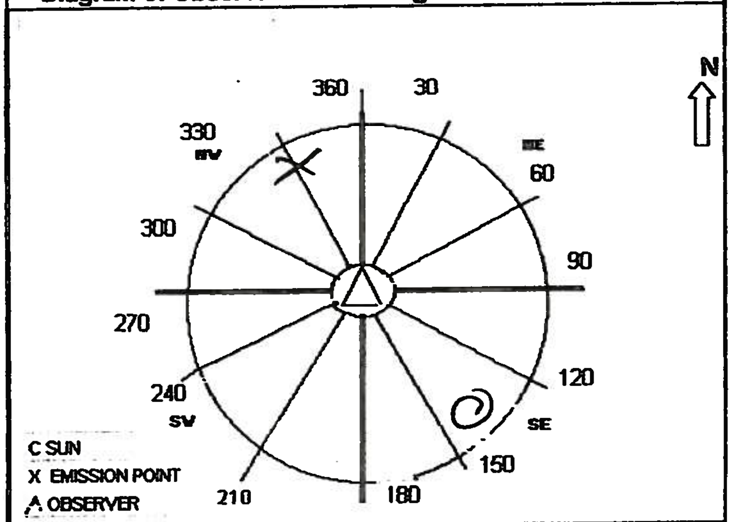
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	9:27	9:32	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	NW	NW
Wind speed	4 mph	4 mph
Ambient temperture	60°	60°
Discharge temperture	60°	60°
Sky conditions	P.Cloudy	P.Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-009 Portable Chipper

Date: 2/9/05

Is emission point operation normal? ____________

V.E. Observer: [signature]

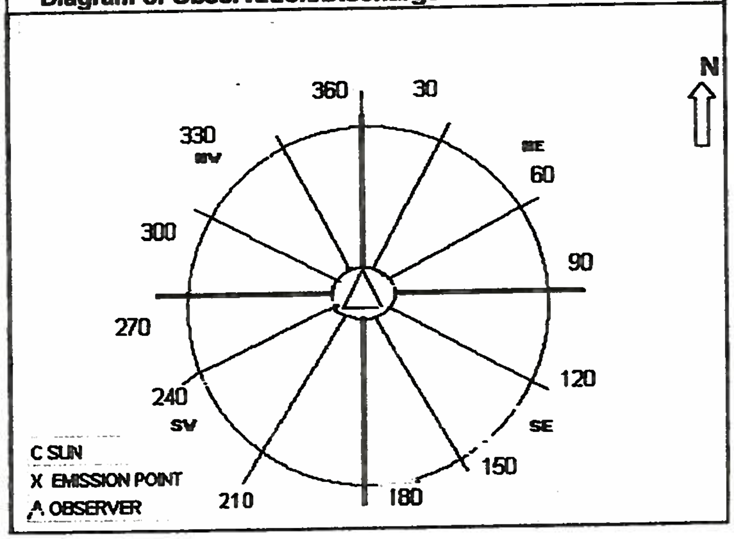
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: NOT in operation

0 emissions

Received by: ____________

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 2/2/05
Is emission point operation normal? yes

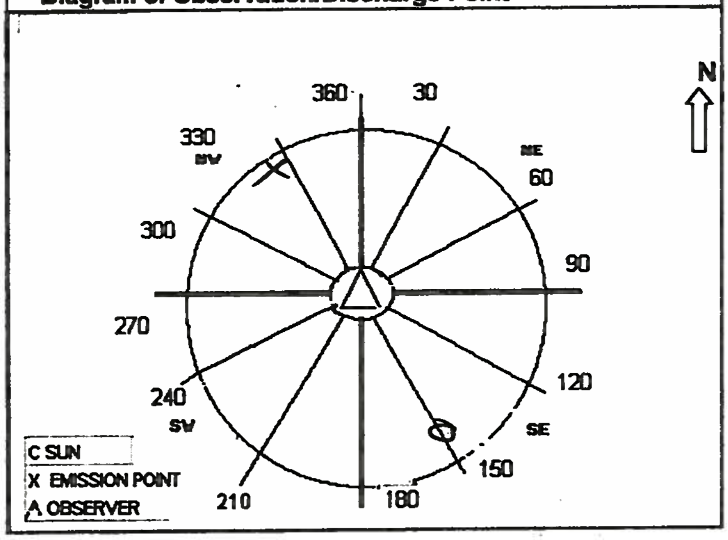
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:00	11:06	110	4.5

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	5mph	5mph
Ambient temperture	46°	46°
Discharge temperture	559°	552°
Sky conditions	Cloudy	Cloudy

Seconds / Min	0	15	30	45
0	10	10	10	0
1	0	0	0	0
2	0	0	10	10
3	10	10	10	0
4	0	0	0	0
5	0	10	10	10
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

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601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AB-002A 350hp Boiler

Date: 2/2/05

Is emission point operation normal? yes

V.E. Observer: [signature]

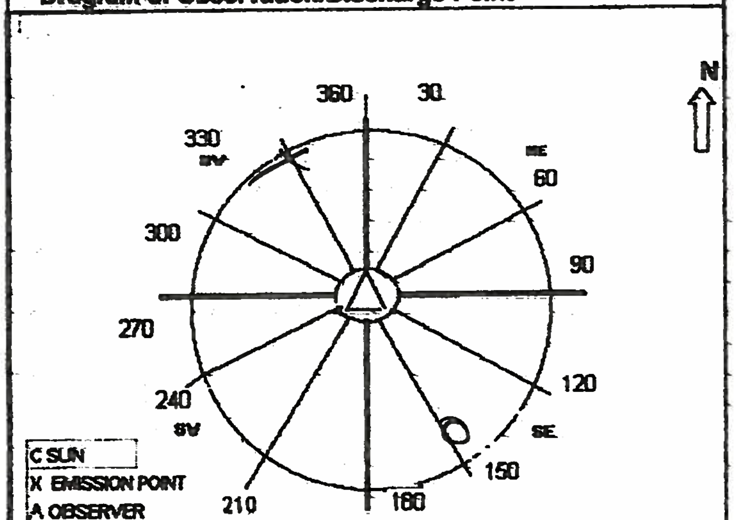
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:15	11:21	140	5.8

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	5mph	5mph
Ambient temperture	46°	46°
Discharge temperture	562°	554°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	10	10	10
3	10	10	10	10
4	10	10	10	10
5	10	10	10	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

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601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp Cyclone

Date: 2/2/05

Is emission point operation normal? yes

V.E. Observer: [signature]

Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	11:58	12:03	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	5mph	5mph
Ambient temperture	46°	46°
Discharge temperture	46°	46°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
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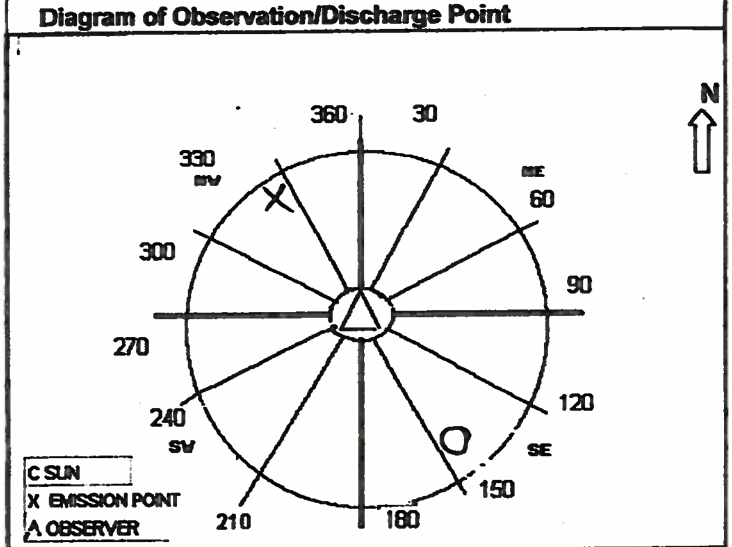
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: ____

Received by: ____

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221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-004 Planer cyclone
Date: 2/2/05
Is emission point operation normal? yes

V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1:23	1:28	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	5 mph	5 mph
Ambient temperture	46°	46°
Discharge temperture	46°	46°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
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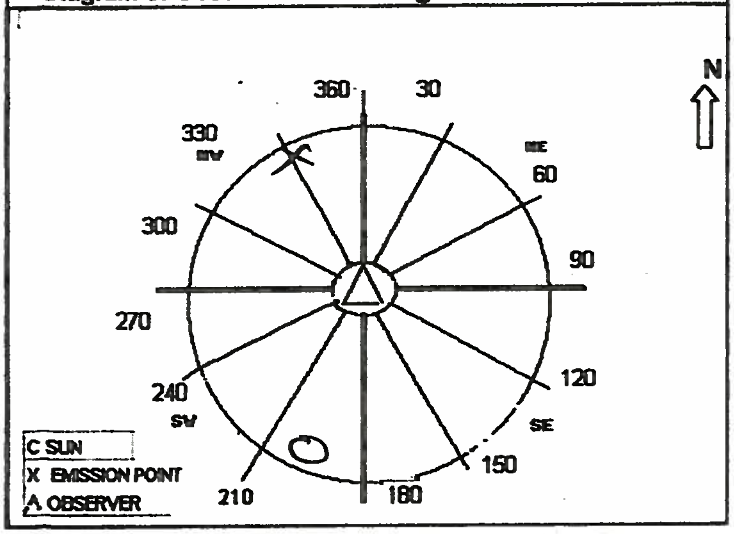
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

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Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-005 350hp Cyclone

Date: 2/2/05

Is emission point operation normal? yes

V.E. Observer: [signature]

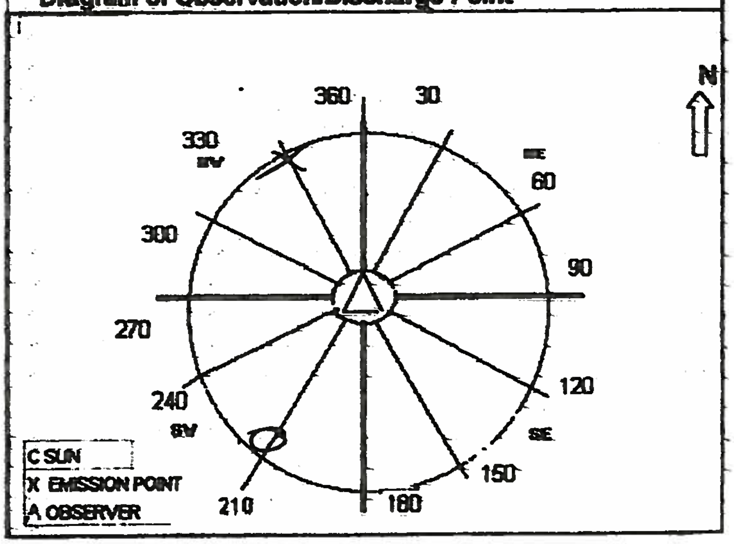
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1:32	1:37	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	5mph	5mph
Ambient temperture	46°	46°
Discharge temperture	46°	46°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

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Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-008 Mill Chipper

Date: 2/2/05

Is emission point operation normal? yes

V.E. Observer: [illegible]

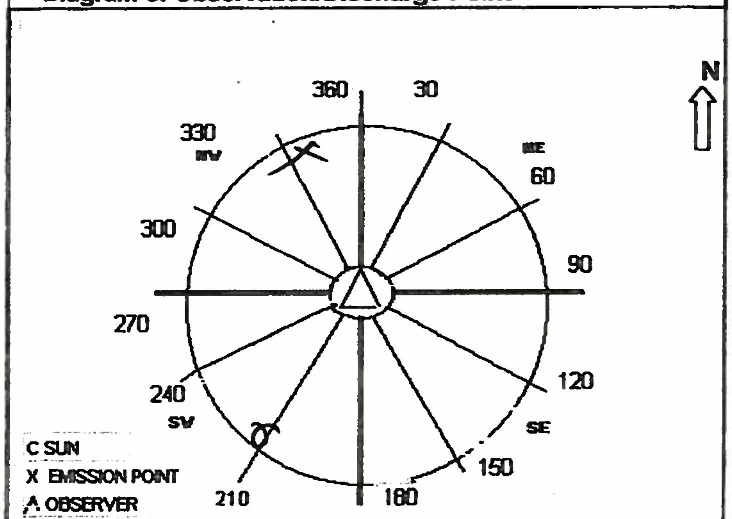
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	1:44	1:49	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	North	North
Wind speed	5 mph	5 mph
Ambient temperture	46°	46°
Discharge temperture	46°	46°
Sky conditions	Cloudy	Cloudy

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

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601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 2/2/05
Is emission point operation normal?

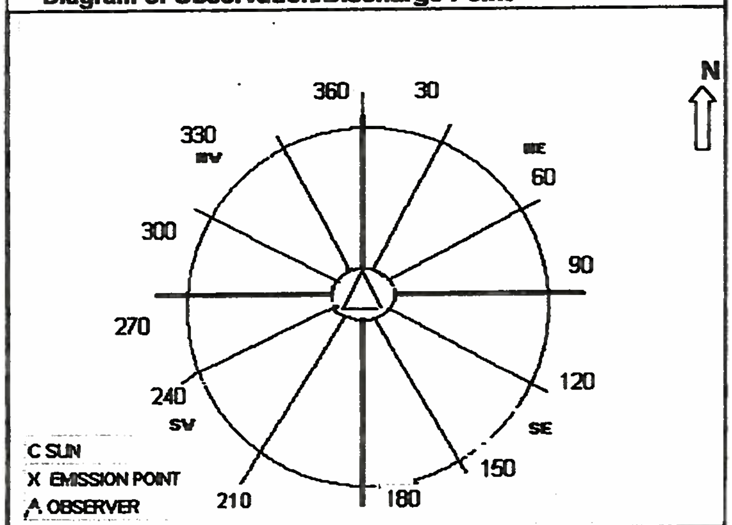
V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

Min	Seconds 0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-001A 600hp
Date: 1/26/05
Is emission point operation normal? yes

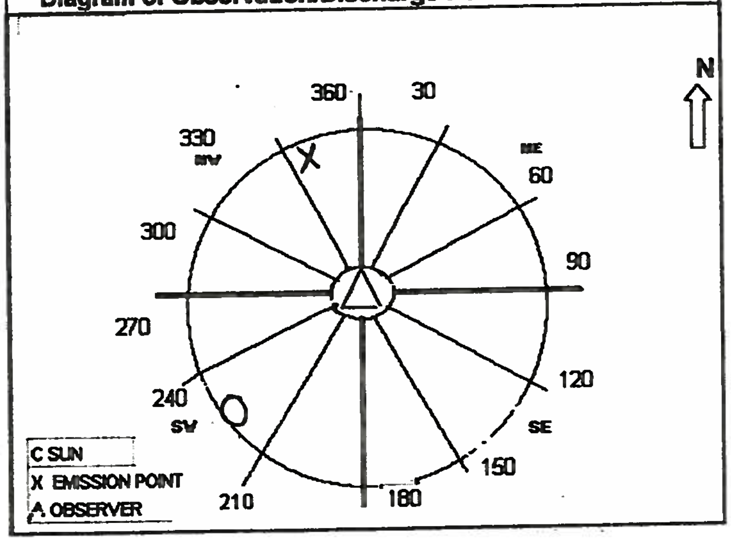
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	2:55	3:00	130	5.4

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	55'	55'
Plume color	Black	Black
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	511°	526°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	10	10	10	10
1	10	0	0	0
2	0	0	0	10
3	10	10	10	10
4	10	10	0	0
5	0	0	0	10
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AB-002A 350hp Boiler
Date: 1/26/05
Is emission point operation normal? yes

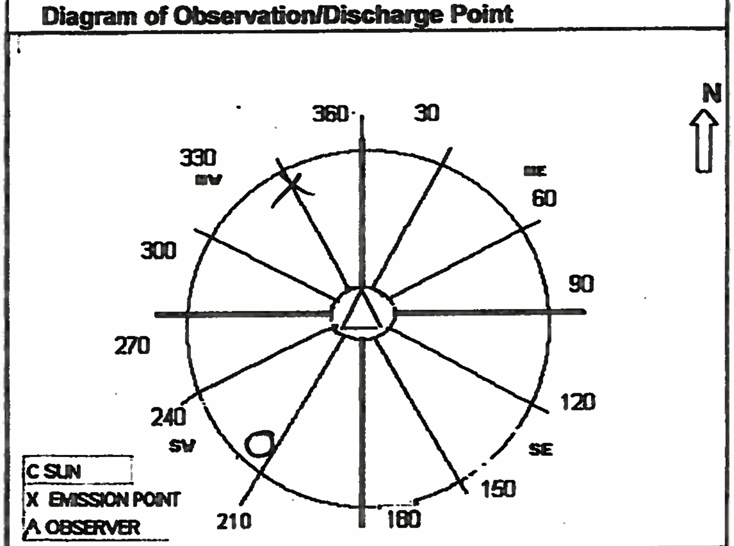
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:08	3:13	110	4.5

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	50'	50'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	562°	527°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	10	10
2	10	10	10	10
3	10	10	10	10
4	10	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-003 600hp Cyclone

Date: 1/26/05

Is emission point operation normal? yes

V.E. Observer: [signature]

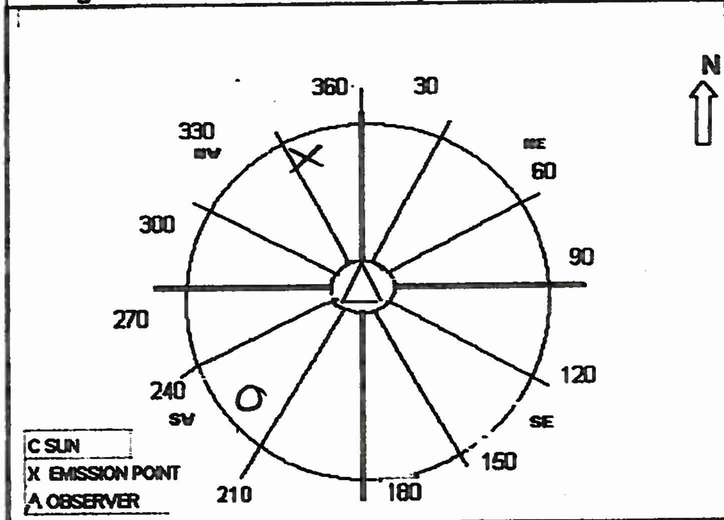
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:19	3:24	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	70'	70'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074

601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC

Address: 221 SCR 5-9

City: FOREST, MS 39074

Emission Point: AA-004 Planer cyclone

Date: 1/26/05

Is emission point operation normal? yes

V.E. Observer: [illegible signature]

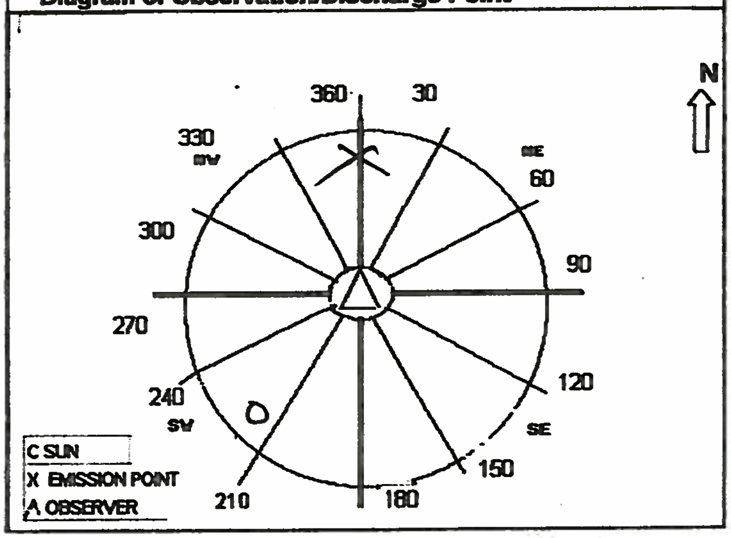
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average
1	3:28	3:34	0	0

	Initial	Final
Distance to discharge	90'	90'
Height of observation point	0	0
Height of discharge	60'	60'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Seconds				
Min	0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

JACK BATTE & SONS INC.
221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-005 350hp Cyclone
Date: 1/26/05
Is emission point operation normal? yes

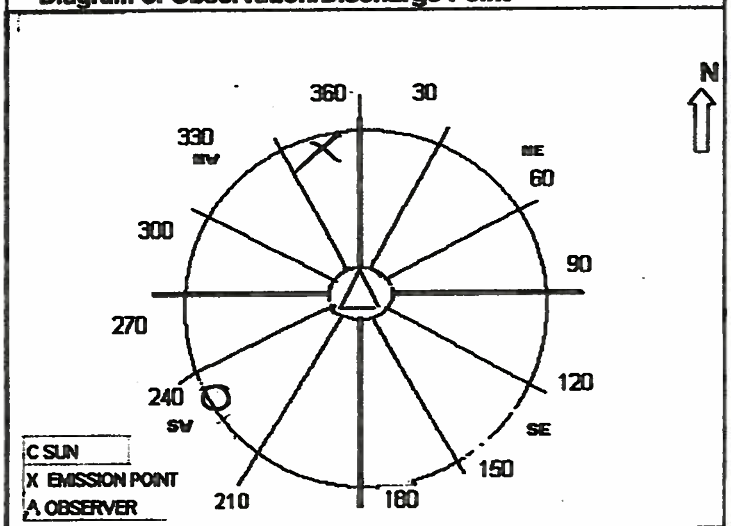
V.E. Observer: [signature]
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:38	3:43	0	0

	Initial	Final
Distance to discharge	85'	85'
Height of observation point	0	0
Height of discharge	65'	65'
Plume color	Clear	Clear
Plume background	Sky	Sky
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4mph	4mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: ______________________

Received by: ______________________

JACK BATTE & SONS INC.

221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-008 Mill Chipper
Date: 1/26/05
Is emission point operation normal? yes

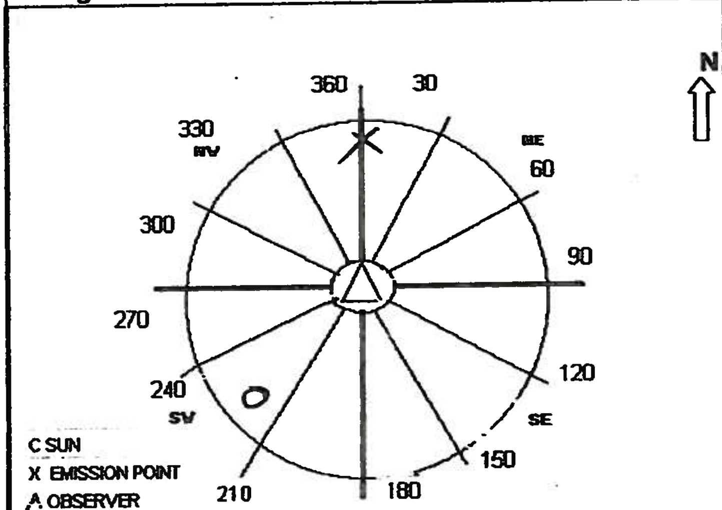
V.E. Observer:
Certification Expiration: 4/23/05

Set #	Time Start	Time End	Opacity Sum	Opacity Average
1	3:50	3:56	0	0

	Initial	Final
Distance to discharge	25'	25'
Height of observation point	0	0
Height of discharge	12'	12'
Plume color	Clear	Clear
Plume background	Building	Building
Water vapor in plume?	no	no
Wind direction (from)	SW	SW
Wind speed	4 mph	4 mph
Ambient temperture	70°	70°
Discharge temperture	70°	70°
Sky conditions	Clear	Clear

Min	Seconds 0	15	30	45
0	0	0	0	0
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks:

Received by:

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221 SCR 35-9 FOREST MS 39074
601-536-3736 FAX 601-536-3748

Visible Emissions Evaluation Record

Plant Name: JACK BATTE & SONS, INC
Address: 221 SCR 5-9
City: FOREST, MS 39074
Emission Point: AA-009 Portable Chipper
Date: 1/26/05
Is emission point operation normal? ______

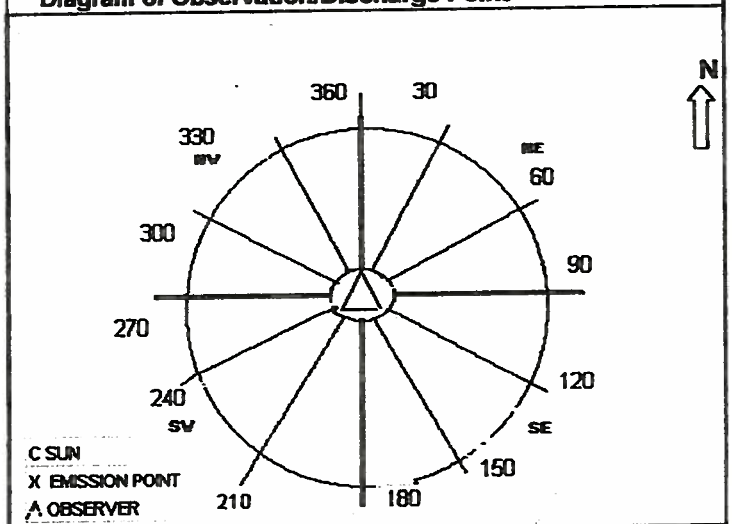
V.E. Observer: ______
Certification Expiration: 4/23/05

Set #	Time		Opacity	
	Start	End	Sum	Average

	Initial	Final
Distance to discharge		
Height of observation point		
Height of discharge		
Plume color		
Plume background		
Water vapor in plume?		
Wind direction (from)		
Wind speed		
Ambient temperture		
Discharge temperture		
Sky conditions		

	Seconds			
Min	0	15	30	45
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				
0				
1				
2				
3				
4				
5				

Diagram of Observation/Discharge Point



Remarks: NOT in operation
0 emissions

Received by: ______