



SE DISTRICT DEPARTMENT OF ENVIRONMENTAL PROTECTION

Visible Emission Observation Form

SOURCE NAME			OBSERVATION DATE				START TIME		STOP TIME					
PBC Water Utilities			3/29/12				12:30		12:49					
ADDRESS			SEC		MIN		SEC		MIN		SEC			
8100 Forest Hill Blvd.			0	15	30	45	0	15	30	45				
CITY	STATE	ZIP	1		2		3		4		5			
West Palm Beach	FL	33413	0	0	0	0	31							
PHONE	SOURCE ID NUMBER		2		3		4		5		6			
	0990347		0	0	0	0	32							
PROCESS EQUIPMENT		OPERATING MODE		3		4		5		6		7		
Boiler/boiler		normal		0	0	0	0	33						
CONTROL EQUIPMENT		OPERATING MODE		4		5		6		7		8		
				0	0	0	0	34						
DESCRIBE EMISSION POINT			5		6		7		8		9			
START above stack STOP above stack			0	0	0	0	35							
HEIGHT ABOVE GROUND LEVEL		HEIGHT RELATIVE TO OBSERVER		6		7		8		9		10		
START 55 ft STOP 55 ft		START 50 ft STOP 50 ft		0	0	0	0	36						
DISTANCE FROM OBSERVER		DIRECTION FROM OBSERVER		7		8		9		10		11		
START 120 ft STOP 120 ft		START N STOP N		0	0	0	0	37						
DESCRIBE EMISSIONS			8		9		10		11		12			
START n/a STOP n/a			0	0	0	0	38							
EMISSION COLOR		PLUME TYPE: CONTINUOUS <input type="checkbox"/>		9		10		11		12		13		
START n/a STOP n/a		FUGITIVE <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>		0	0	0	0	39						
WATER DROPLETS PRESENT		IF WATER DROPLET PLUME:		10		11		12		13		14		
NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>		ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>		0	0	0	0	40						
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED			11		12		13		14		15			
START n/a STOP n/a			0	0	0	0	41							
DESCRIBE BACKGROUND			12		13		14		15		16			
START Clouds STOP Clouds			0	0	0	0	42							
BACKGROUND COLOR		SKY CONDITIONS		13		14		15		16		17		
START white STOP white		START Partly cloudy STOP Partly cloudy		0	0	0	0	43						
WIND SPEED		WIND DIRECTION		14		15		16		17		18		
START 2 mph STOP 2 mph		START ENE STOP ENE		0	0	0	0	44						
AMBIENT TEMP.		WET BULB TEMP.		15		16		17		18		19		
START 71 STOP 71		RH, percent		0	0	0	0	45						
		83%		0	0	0	0	46						
<p>Source Layout Sketch      Draw North Arrow</p> <p>Sun → Wind → Plume and Stack</p> <p>Emission Point</p> <p>Observers Position</p> <p>140°</p> <p>Sun Location Line</p>			16		17		18		19		20			
			0	0	0	0	47							
			17		18		19		20		21		22	
			0	0	0	0	48							
			18		19		20		21		22		23	
			0	0	0	0	49							
			19		20		21		22		23		24	
			0	0	0	0	50							
			20		21		22		23		24		25	
			0	0	0	0	51							
21		22		23		24		25		26				
0	0	0	0	52										
22		23		24		25		26		27				
0	0	0	0	53										
23		24		25		26		27		28				
0	0	0	0	54										
24		25		26		27		28		29				
0	0	0	0	55										
25		26		27		28		29		30				
0	0	0	0	56										
26		27		28		29		30		31				
0	0	0	0	57										
27		28		29		30		31		32				
0	0	0	0	58										
28		29		30		31		32		33				
0	0	0	0	59										
29		30		31		32		33		34				
0	0	0	0	60										
30		31		32		33		34		35				
AVERAGE OPACITY FOR HIGHEST PERIOD		NUMBER OF READINGS ABOVE		31		32		33		34				
0		0 % WERE 0		0	0	0	0	61						
RANGE OF OPACITY READINGS			32		33		34		35		36			
MINIMUM			0	0	0	0	62							
MAXIMUM			0	0	0	0	63							
OBSERVER'S NAME (PRINT)			33		34		35		36		37			
Michelle Robinson			0	0	0	0	64							
OBSERVER'S SIGNATURE		DATE		34		35		36		37				
Michelle Robinson		3/29/2012		0	0	0	0	65						
ORGANIZATION			35		36		37		38		39			
FDEP			0	0	0	0	66							
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE		CERTIFIED BY		36		37		38		39				
		ETA		0	0	0	0	67						
TITLE		DATE		37		38		39		40				
				0	0	0	0	68						
VERIFIED BY		DATE		38		39		40		41				
				0	0	0	0	69						

Adapted from EPA Quality Assurance Handbook for Air Pollution Measurement Systems: Volume III. Stationary Source Specific Methods (EPA-600/4-77-027b) February 1984



SE DISTRICT DEPARTMENT OF ENVIRONMENTAL PROTECTION

Visible Emission Observation Form

SOURCE NAME			OBSERVATION DATE				START TIME		STOP TIME			
Palm Beach County Water Utilities			3/29/12				11:55		12:10			
ADDRESS			SEC	MIN			SEC	MIN				
8100 Forest Hill Blvd.				0	15	30	45		0	15	30	45
CITY			STATE			ZIP			1			
West Palm Beach			FL			33413			2			
PHONE			SOURCE ID NUMBER			3			3			
			0990347			4			4			
PROCESS EQUIPMENT			OPERATING MODE			5			5			
Boiler w/diesel			normal			6			6			
CONTROL EQUIPMENT			OPERATING MODE			7			7			
						8			8			
DESCRIBE EMISSION POINT			9			9			9			
START top of stack			STOP top of stack			10			10			
HEIGHT ABOVE GROUND LEVEL			HEIGHT RELATIVE TO OBSERVER			11			11			
START 55 ft			STOP 55 ft			12			12			
START 50			STOP 50			13			13			
DISTANCE FROM OBSERVER			DIRECTION FROM OBSERVER			14			14			
START 120 ft			STOP 120 ft			15			15			
START N			STOP N			16			16			
DESCRIBE EMISSIONS			17			17			17			
START n/a			STOP n/a			18			18			
EMISSION COLOR			PLUME TYPE: CONTINUOUS <input type="checkbox"/>			19			19			
START n/a			STOP n/a			20			20			
WATER DROPLETS PRESENT			IF WATER DROPLET PLUME:			21			21			
NO <input checked="" type="checkbox"/> YES <input type="checkbox"/>			ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>			22			22			
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED			23			23			23			
START n/a			STOP n/a			24			24			
DESCRIBE BACKGROUND			25			25			25			
START sky			STOP sky			26			26			
BACKGROUND COLOR			SKY CONDITIONS			27			27			
START white			STOP white			28			28			
WIND SPEED			WIND DIRECTION			29			29			
START 2 mph			STOP 2 mph			30			30			
AMBIENT TEMP.			WET BULB TEMP.			RH, percent			31			
START 71			STOP 71			83%			32			
<p style="text-align: center;">Source Layout Sketch      Draw North Arrow</p>			33			33			33			
			34			34			34			
			35			35			35			
			36			36			36			
			37			37			37			
			38			38			38			
			39			39			39			
			40			40			40			
			41			41			41			
			42			42			42			
43			43			43						
44			44			44						
45			45			45						
46			46			46						
47			47			47						
48			48			48						
49			49			49						
50			50			50						
51			51			51						
52			52			52						
53			53			53						
54			54			54						
55			55			55						
56			56			56						
57			57			57						
58			58			58						
59			59			59						
60			60			60						
AVERAGE OPACITY FOR HIGHEST PERIOD			NUMBER OF READINGS ABOVE			61			61			
0			0 % WERE			62			62			
RANGE OF OPACITY READINGS			63			63			63			
0 MINIMUM			0 MAXIMUM			64			64			
OBSERVER'S NAME (PRINT)			65			65			65			
Michelle Robinson			66			66			66			
OBSERVER'S SIGNATURE			DATE			67			67			
Michelle Robinson			3/29/2012			68			68			
ORGANIZATION			69			69			69			
FDEP			70			70			70			
I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS			CERTIFIED BY			DATE			71			
SIGNATURE			ETA			7/2012			71			
TITLE			DATE			72			72			
			VERIFIED BY			DATE			73			
									73			

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