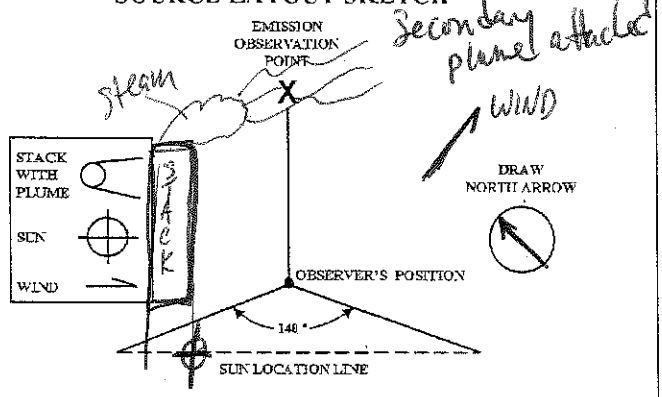
VISIBLE EMISSION OBSERVATION FORM

Company Name: DP&L KILLEN STATION		
Location: 14869 US Hwy 52		
City: MANCHESTER	State: OH	Zip: 45144
Process Equipment: 1 COAL FIRED BOILER		Operating Mode: OPERATING
Control Equipment: SO_2 control (SBS system)		Operating Mode: Not operating.
Describe Emission Point: SECONDARY Plume after steam plume from single stack.		
Height of Emission Point: 900 ft.	Height Relative to Observer: Start 894 ft.	End 894 ft.
Distance to Emission Point: Start 2500 ft.	End 2500 ft.	Direction to Emission Point: Start NE End NE
Vertical Angle to Observation Pt. Start End	Direction to Observation Point Start End	
Describe Emissions: Start lacy / fluffy	End lacy / fluffy	
Emission Color: Start BROWNISH	End (SAME)	If Water Droplet Plume (Circle): Attached Detached N/A
Point In The Plume At Which Opacity Was Determined: Start AFTER STEAM PLUME DISAPPEARS - HIGHEST OPACITY	End OF SECONDARY PLUME.	
Describe Plume Background: Start PARTLY Cloudy	End Partly Cloudy	
Background Color: Start ONLY DARK CLOUDS	End (SAME)	Sky Condition: Start Scattered End Scattered
Wind Speed: Start LIGHT	End LIGHT	Wind Direction: Start SW End SW
Ambient Temp: Start 78°F	End 78°F	Wet Bulb Temp: RH Percent:

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
9/30/14	4:15 pm	4:51 pm

Min \ Sec	0	15	30	45	Comments
1	15	25	15	20	
2	20	20	20	20	
3	20	30	30	25	
4	25	25	50	45	
5	40	30	25	25	
6	20	15	15	15	
7	10	15	15	15	
8	15	15	15	20	
9	15	15	10	15	
10	10	10	10	15	
11	15	10	10	5	
12	5	5	5	10	
13	10	10	10	10	
14	20	20	20	25	
15	20	25	20	20	
16	20	25	30	30	
17	20	20	20	15	
18	20	15	20	15	
19	20	20	20	15	
20	15	20	15	20	
21	25	20	20	20	
22	10	10	10	10	
23	10	15	10	5	
24	10	10	5	10	
25	20	15	25	25	
26	30	30	30	35	
27	40	35	35	40	
28	30	30	40	40	
29	35	35	35	40	
30	45	55	50	35	

Observer's Name (Print): PATRICK MILLER	
Observer's Signature: [signature]	Date: 9/30/14
Organization: US EPA REGION 5 AECAB	
Certified by: Illinois EPA	Date: 9/15/14

Continue on reverse side

Min \ Sec	0	15	30	45	Comments
31	30	35	25	25	
32	20	20	20	15	
33	15	15	15	15	
34	15	10	10	10	
35	15	15	20	15	
36	10	15	10	10	
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Additional Information