DEPT. OF ENVIRONMENT & CONSERVATION

AIR POLLUTION CONTROL

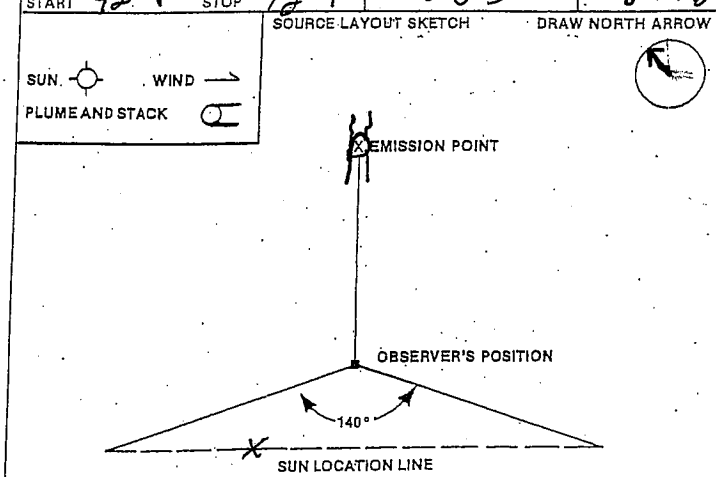
VISIBLE EMISSION OBSERVATION

SOURCE NAME	Helms Slaughtering Co.
ADDRESS	540 Hwy 61
CITY	Maynardville
STATE	TN
ZIP	37807
PHONE	865-992-3515
SOURCE ID NUMBER	Site ID 3521 / Permit app submitted
PROCESS EQUIPMENT	Incinerator
OPERATING MODE	>750°F
CONTROL EQUIPMENT	Afterburner
OPERATING MODE	>750°F
DESCRIBE EMISSION POINT START	Stack exit
DESCRIBE EMISSION POINT STOP	Stack exit
HEIGHT ABOVE GROUND LEVEL START	~12'
HEIGHT ABOVE GROUND LEVEL STOP	~12'
HEIGHT RELATIVE TO OBSERVER START	~6'
HEIGHT RELATIVE TO OBSERVER STOP	~6'
DISTANCE FROM OBSERVER START	~20'
DISTANCE FROM OBSERVER STOP	~20'
DIRECTION FROM OBSERVER START	NE
DIRECTION FROM OBSERVER STOP	NE
DESCRIBE VISIBLE EMISSIONS START	Heat Waves
DESCRIBE VISIBLE EMISSIONS STOP	Heat Waves
EMISSION COLOR START	Clear
EMISSION COLOR STOP	Clear
IF WATER DROPLET PLUME:	ATTACHED ☐ DETACHED ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START	Stack exit
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED STOP	Stack exit
DESCRIBE PLUME BACKGROUND START	Sky
DESCRIBE PLUME BACKGROUND STOP	Sky
BACKGROUND COLOR START	blue
BACKGROUND COLOR STOP	blue
SKY CONDITIONS START	partly cloudy
SKY CONDITIONS STOP	partly cloudy
WIND SPEED START	4 mph
WIND SPEED STOP	4 mph
WIND DIRECTION START	From SSE
WIND DIRECTION STOP	From SSE
AMBIENT TEMP. START	92°F
AMBIENT TEMP. STOP	92°F
WET BULB TEMP.	88.5
RH, percent	87%

OBSERVATION DATE	START TIME	STOP TIME
June 25, 2010	3:32 Pm	4:02 Pm

MIN \ SEC	0	15	30	45	COMMENTS
1	S	S	S	S	
2	S	S	S	S	
3	S	S	S	S	
4	S	S	S	S	
5	S	S	S	S	
6	S	S	S	S	
7	S	S	S	S	
8	S	S	S	S	
9	S	S	S	S	
10	S	S	S	S	
11	S	S	S	S	
12	S	S	S	S	
13	S	S	S	S	
14	S	S	S	S	
15	S	S	S	S	
16	S	S	S	S	
17	S	S	S	S	
18	S	S	S	S	
19	S	S	S	S	
20	S	S	S	S	
21	S	S	S	S	
22	S	S	S	S	
23	S	S	S	S	
24	S	S	S	S	
25	S	S	S	S	
26	S	S	S	S	
27	S	S	S	S	
28	S	S	S	S	
29	S	S	S	S	
30	S	S	S	S	

SOURCE LAYOUT SKETCH — DRAW NORTH ARROW



APPLICABLE OPACITY STANDARD: 20 % OPACITY

EPA METHOD 9 ☐ TVEE METHOD 2 ☒ TVEE METHOD 1 ☐ TVEE METHOD 3 ☐

AVERAGE OPACITY FOR HIGHEST PERIOD: 5%

NUMBER OF READING ABOVE 20% WERE 0

COMMENTS

OBSERVER'S NAME (PRINT): Jarrett Rudd

OBSERVER'S SIGNATURE: Jarrett Rudd

DATE: June 25, 2010

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS

SIGNATURE

ORGANIZATION: TDEC-APC

CERTIFICATION EXPIRATION DATE: Sept 22, 2010

TITLE

DATE

VERIFIED BY

DATE