VISIBLE EMISSION OBSERVATION FORM

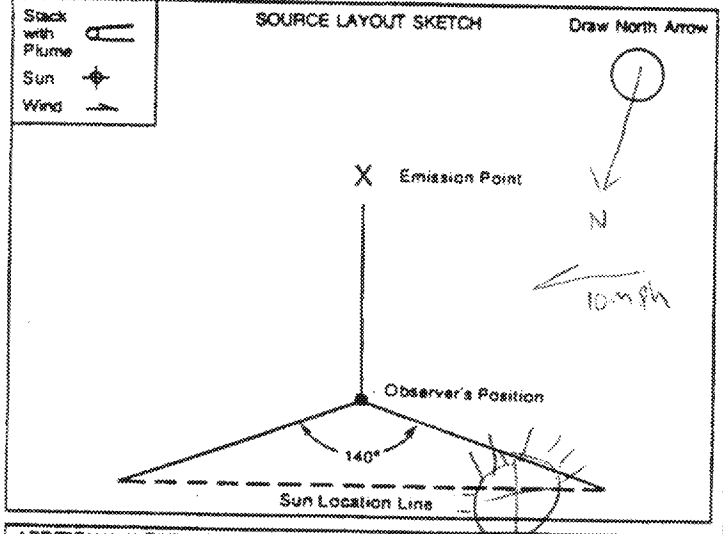
No.

COMPANY NAME	U.S.S. Edgar Thomson
STREET ADDRESS	13th & Braddock Ave
CITY	Braddock
STATE	PA
ZIP	
PHONE (KEY CONTACT)	
SOURCE ID NUMBER	

PROCESS EQUIPMENT	BOP
OPERATING MODE	
CONTROL EQUIPMENT	Scrubber
OPERATING MODE	

DESCRIBE EMISSION POINT	Scrubber stack (left side)
HEIGHT ABOVE GROUND LEVEL	100'
HEIGHT RELATIVE TO OBSERVER	Start even End
DISTANCE FROM OBSERVER	Start 800' End
DIRECTION FROM OBSERVER	Start S End S
DESCRIBE EMISSIONS	Start Visible - Blue-Black End turned to steam
EMISSION COLOR	Start Blue End white
IF WATER DROPLET PLUME	Attached ☑ Detached ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED	Start 10' Above stack End 10' Above stack
DESCRIBE PLUME BACKGROUND	Start End
BACKGROUND COLOR	Start Brown End Brown
SKY CONDITIONS	Start overcast End "
WIND SPEED	Start 10 mph End 10 mph
WIND DIRECTION	Start NE End NE
AMBIENT TEMP	Start 50°F End 50°F
WET BULB TEMP	
RH, percent	

SOURCE LAYOUT SKETCH



OBSERVATION DATE	START TIME	END TIME
2/2/2016	2:35 pm	3:05

MIN \ SEC	0	15	30	45	COMMENTS
1	20	10	5	10	Blue/Black
2	10	10	5	5	
3	10	10	5	10	
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	10	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	
11	5	5	X	5	
12	5	5	5	5	
13	5	5	10	20	
14	20	20	30	50	
15	50	20	5	–	
16	5	5	5	–	
17	–	5	5	–	
18	5	5	–	–	
19	5	–	5	5	
20	5	10	10	20	
21	20	20	20	20	
22	25	25	20	25	"
23	25	50	50	65	Blue
24	40	50	75	75	Blue
25	–	–	–	–	went white?
26	–	–	–	–	Changed/converted
27	–	–	–	–	to steam?
28	–	–	–	–	Blue w/ steam?
29	–	–	–	–	
30	–	–	–	–	

OBSERVER'S NAME (PRINT)	Edward Gerst
OBSERVER'S SIGNATURE	[signature]
DATE	2/2/2016
ORGANIZATION	U.S. EPA Region 3
CERTIFIED BY	ETA Eastern Technical Assoc.
DATE	9/23/2015
CONTINUED ON VEO FORM NUMBER	

ADDITIONAL INFORMATION

Readings taken from Kennywood Blvd by Meineke and a closed bar-b-que restaurant overlooking ET.

VISIBLE EMISSION OBSERVATION FORM

No.

COMPANY NAME	USS - Edgar Thomson Plant
STREET ADDRESS	
CITY	Braddock
STATE	PA
ZIP	
PHONE (KEY CONTACT)	
SOURCE ID NUMBER	

PROCESS EQUIPMENT	Scrubber stack
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	

DESCRIBE EMISSION POINT: White brown smoke out of left scrubber stack

HEIGHT ABOVE GROUND LEVEL	HEIGHT RELATIVE TO OBSERVER Start End
DISTANCE FROM OBSERVER Start End	DIRECTION FROM OBSERVER Start End

DESCRIBE EMISSIONS Start End

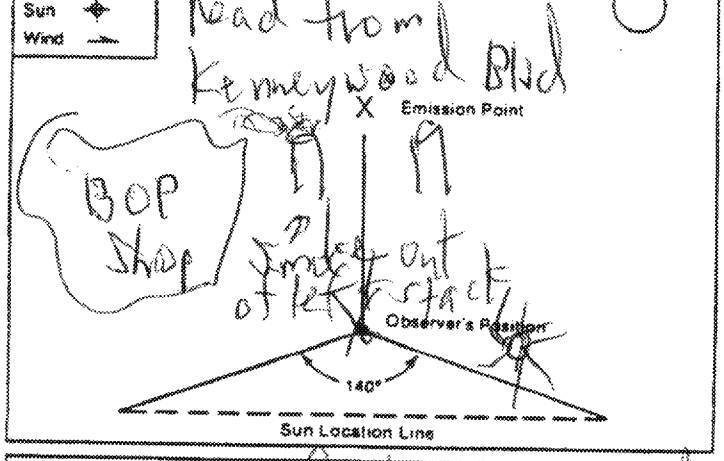
EMISSION COLOR Start End	IF WATER DROPLET PLUME Attached ☐ Detached ☐

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start End

DESCRIBE PLUME BACKGROUND Start End: Brown/Green Hillside

BACKGROUND COLOR Start: Brown End: Green	SKY CONDITIONS Start End
WIND SPEED Start: 0-5 End: 0-5	WIND DIRECTION Start End
AMBIENT TEMP Start End	WET BULB TEMP / RH, percent

SOURCE LAYOUT SKETCH — Draw North Arrow



ADDITIONAL INFORMATION: Continuous smoke out of left stack

OBSERVATION DATE	START TIME	END TIME
	10:30	10:39

MIN \ SEC	0	15	30	45	COMMENTS
1	40	40	45	50	
2	60	60	50	55	
3	50	50	50	45	
4	50	50	60	60	
5	50	45	45	50	
6	50	50	50	50	
7	50	55	50	45	
8	50	50	55	60	
9	55	55	60	65	
10					
11					
12		Steam			
13		out of			
14					
15		stack			
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

OBSERVER'S NAME (PRINT)	Jared Hagedorn
OBSERVER'S SIGNATURE	
DATE	9-16
ORGANIZATION	
CERTIFIED BY	
DATE	
CONTINUED ON VEO FORM NUMBER	

VISIBLE EMISSION OBSERVATION FORM

No.

COMPANY NAME: UPS Edgar Thomson Plant	
STREET ADDRESS:	
CITY: Braddock	STATE: PA / ZIP:
PHONE (KEY CONTACT):	SOURCE ID NUMBER:
PROCESS EQUIPMENT: Scrubber Stack	OPERATING MODE:
CONTROL EQUIPMENT:	OPERATING MODE:
DESCRIBE EMISSION POINT: Scrubber Stack ET left side	
HEIGHT ABOVE GROUND LEVEL:	HEIGHT RELATIVE TO OBSERVER: Start / End
DISTANCE FROM OBSERVER: Start / End	DIRECTION FROM OBSERVER: Start / End
DESCRIBE EMISSIONS: Start / End	
EMISSION COLOR: Start White / End White	IF WATER DROPLET PLUME: Attached ☐ / Detached ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED: Start / End	
DESCRIBE PLUME BACKGROUND: Start Dark Brown Hill / End	
BACKGROUND COLOR: Start / End	SKY CONDITIONS: Start Cloudy / End Some
WIND SPEED: Start / End	WIND DIRECTION: Start / End
AMBIENT TEMP: Start / End	WET BULB TEMP / RH, percent

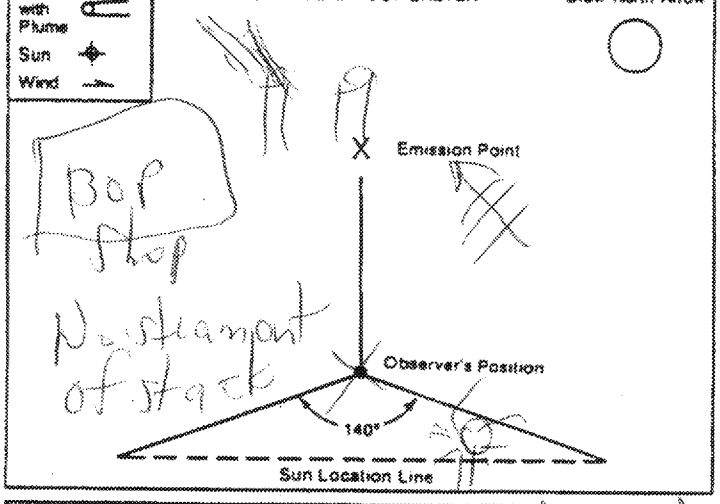
OBSERVATION DATE	START TIME	END TIME
3-9-16	1:03	1:33 PM

MIN \ SEC	0	15	30	45	COMMENTS
1	40	30	30	30	
2	25	25	40	50	
3	50	55	50	45	
4	45	45	50	45	
5	45	40	35	35	
6	20	25	30	30	
7	20	10	10	10	
8	15	15	20	20	
9	Steam out of				
10					
11	Stack				
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					

SOURCE LAYOUT SKETCH

Stack with Plume
Sun
Wind

Draw North Arrow



OBSERVER'S NAME (PRINT): Jim Hagedorn	
OBSERVER'S SIGNATURE:	DATE: 3-9-16
ORGANIZATION: USEPA	
CERTIFIED BY:	DATE:
CONTINUED ON VEO FORM NUMBER:	

ADDITIONAL INFORMATION: Trail from Kennywood Blvd by Mesabi Slag Shelter House

USS ET Scrubber Stack

VISIBLE EMISSION OBSERVATION FORM

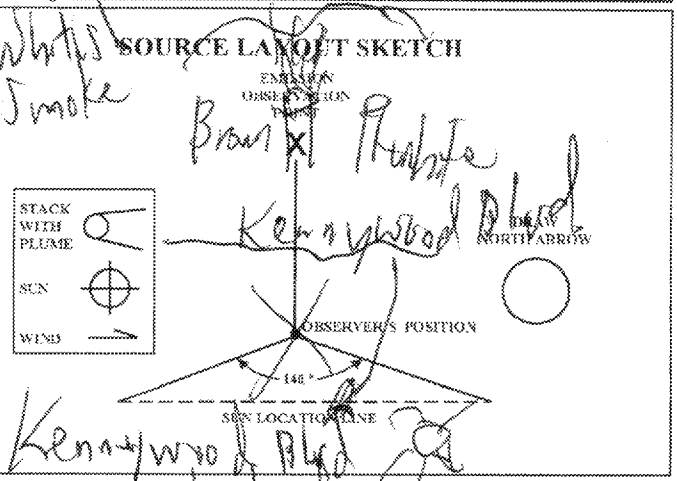
Company Name	USS ET Works
Location	Braddock PA
City	Braddock
State	PA
Zip	
Process Equipment	Scrubber Stack
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	Scrubber
Height of Emission Point	90-100 ft
Height Relative to Observer	Start 15' End 15'
Distance to Emission Point	Start 100 yds End
Direction to Emission Point	Start End
Vertical Angle to Observation Pt.	Start End
Direction to Observation Point	Start End
Describe Emissions	Start Whitish End Whitish
Emission Color	Start White End
If Water Droplet Plume (Circle)	Attached Detached N/A
Point In The Plume At Which Opacity Was Determined	Start End
Describe Plume Background	Start Hillside End Hillside
Background Color	Start Green End
Sky Condition	Start Green End
Wind Speed	Start 0-5 MPH
Wind Direction	Start End
Ambient Temp	Start 80's End
Wet Bulb Temp	
RH Percent	

Observation Date 8-26-16 | Start Time 2:18 | End Time 2:48

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

SOURCE LAYOUT SKETCH

Whitish Smoke



Observer's Name (Print)	James Hagedorn
Observer's Signature	
Date	8-26-16
Organization	US EPA
Certified by	Baltimore Smoke School
Date	
Additional Information	behind me Next to Meineke
Continue on reverse side	

Brownstack No Steam
Karousel Steak + Rib House Parking Lot