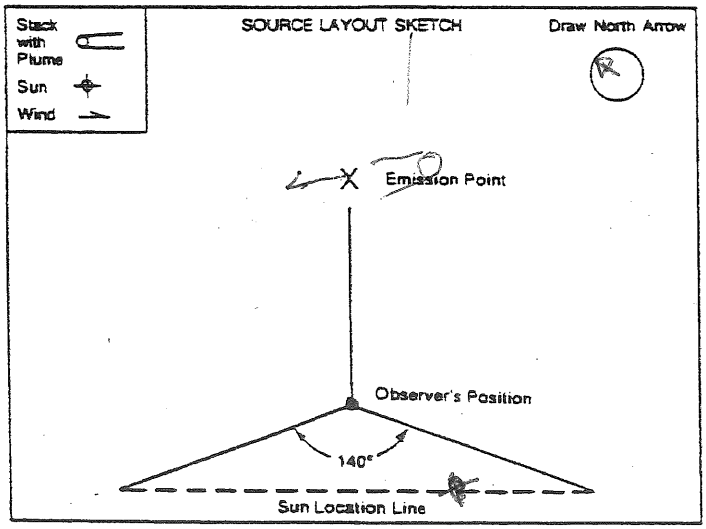
VISIBLE EMISSION OBSERVATION FORM

No. 1

COMPANY NAME	AEP Conesville
STREET ADDRESS	288 & 483C Roads
CITY	Conesville
STATE	OH
ZIP	43811
PHONE (KEY CONTACT)	
SOURCE ID NUMBER	

PROCESS EQUIPMENT	middle stack from location
OPERATING MODE	operating
CONTROL EQUIPMENT	
OPERATING MODE	

DESCRIBE EMISSION POINT	middle tall stack
HEIGHT ABOVE GROUND LEVEL	~200 ft
HEIGHT RELATIVE TO OBSERVER	Start 95 ft End 195 ft
DISTANCE FROM OBSERVER	Start 1.1 mi End 1.1 mi
DIRECTION FROM OBSERVER	Start ENE End ENE
DESCRIBE EMISSIONS	Start brown plume End brown plume
EMISSION COLOR	Start brown End gray brown
IF WATER DROPLET PLUME	Attached ☐ Detached ☒
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED	Start middle End middle
DESCRIBE PLUME BACKGROUND	Start blue sky End blue sky
BACKGROUND COLOR	Start blue End blue
SKY CONDITIONS	Start clear End clear
WIND SPEED	Start 3 mph End 3 mph
WIND DIRECTION	Start NW End NW
AMBIENT TEMP	Start 72°F End 72°F
WET BULB TEMP	
RH, percent	61%



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
11/3/2015	4:19pm	4:48pm

MIN \ SEC	0	15	30	45	COMMENTS
1	80	75	75	65	
2	65	60	60	65	
3	75	70	80	85	
4	85	75	80	75	
5	80	85	85	75	
6	80	80	70	75	
7	85	85	80	75	
8	85	75	70	70	
9	70	65	65	75	
10	65	70	75	75	
11	80	65	80	70	
12	70	70	70	75	
13	75	75	65	65	
14	75	80	75	75	
15	80	70	70	80	
16	75	75	90	75	
17	75	85	85	80	
18	75	80	75	70	
19	75	70	75	75	
20	75	75	80	80	
21	75	80	80	75	
22	75	75	75	80	
23	70	75	75	70	
24	75	75	75	80	
25	80	80	80	75	
26	75	80	75	75	
27	85	75	80	80	
28	85	80	80	80	
29	75	75	75	75	
30	80	75	70	75	

OBSERVER'S NAME (PRINT)	Katharina Bellairs
OBSERVER'S SIGNATURE	[signature]
DATE	11/3/15
ORGANIZATION	US EPA
CERTIFIED BY	Whitlow Enterprises
DATE	10/21/15

CONTINUED ON VEO FORM NUMBER 2

VISIBLE EMISSION OBSERVATION FORM

KB 6/29/16 No. 2

COMPANY NAME		
STREET ADDRESS		
CITY	STATE	ZIP
PHONE (KEY CONTACT)	SOURCE ID NUMBER	

PROCESS EQUIPMENT	OPERATING MODE
CONTROL EQUIPMENT	OPERATING MODE

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

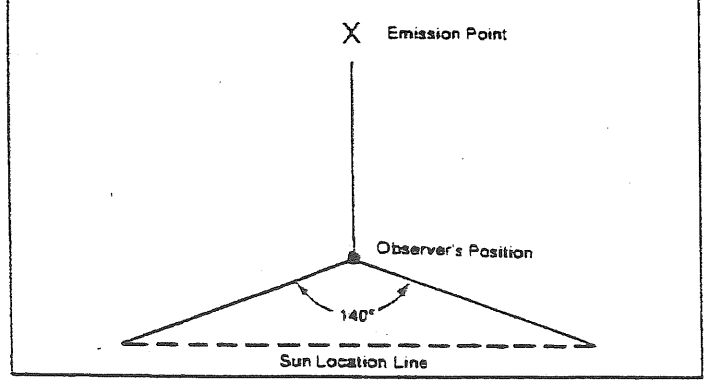
DESCRIBE EMISSIONS Start	End
EMISSION COLOR Start End	IF WATER DROPLET PLUME Attached ☐ Detached ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED Start	End

DESCRIBE PLUME BACKGROUND Start	End	
BACKGROUND COLOR Start End	SKY CONDITIONS Start End	
WIND SPEED Start End	WIND DIRECTION Start End	
AMBIENT TEMP Start End	WET BULB TEMP	RH, percent

SOURCE LAYOUT SKETCH

Stack with Plume
Sun
Wind

Draw North Arrow



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
11/3/~~16~~15	4 49pm	Sill p

MIN \ SEC	0	15	30	45	COMMENTS
1	70	80	75	70	
2	75	75	80	75	
3	75	75	75	80	
4	75	70	75	80	
5	75	75	80	75	
6	80	70	85	80	
7	75	75	75	80	
8	80	80	75	75	
9	80	75	75	75	
10	70	75	75	75	
11	75	75	75	80	
12	70	75	70	75	
13	75	80	75	75	
14	70	70	70	70	
15	70	70	70	65	
16	70	75	70	85	
17	70	70	70	65	
18	65	65	70	65	
19	70	75	70	75	
20	75	70	75	70	
21	75	70	75	70	
22	65	65	70	65	
23	70	70	75	70	end ~~X~~ Sill p KB 12/17/15
24					
25					
26					
27					
28					
29					
30					

OBSERVER'S NAME (PRINT)	
OBSERVER'S SIGNATURE	DATE 11/3/15
ORGANIZATION US EPA	
CERTIFIED BY Whitlow Enterprises	DATE 10/21/15
CONTINUED ON VEO FORM NUMBER	end

VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME: H FP Conesville

LOCATION: 288 & 483C Roads; reader

LOCATION: 47201 County Rd 273-Stack (KB 6/20/16)

CITY: Conesville | STATE: OH | ZIP: 43811

PROCESS EQUIPMENT: Middle Stack | OPERATING MODE: oper.

CONTROL EQUIPMENT: | OPERATING MODE:

DESCRIBE EMISSION POINT: Detached gray plume

HEIGHT ABOVE GROUND LEVEL: ~200 ft | HEIGHT RELATIVE TO OBSERVER: START 195 ft END 195 ft

DISTANCE FROM OBSERVER: START 1.1 mi END 1.1 mi | DIRECTION FROM OBSERVER: START ENE END ENE

VERTICAL ANGLE TO PLUME: 14° | HORIZONTAL ANGLE TO PLUME:

DESCRIBE EMISSIONS: START gray plume END gray plume

EMISSION COLOR: START gray END gray | IF WATER DROPLET PLUME: ATTACHED ☐ DETACHED ☒ NA ☐

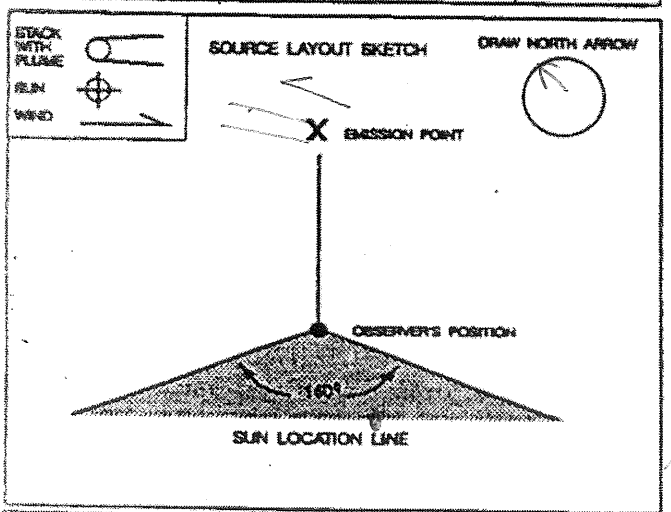
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED: START middle END middle

DESCRIBE PLUME BACKGROUND: START blue sky END blue sky

BACKGROUND COLOR: START blue END blue | SKY CONDITIONS: START sunny END sunny

WIND SPEED: START 2 mph END 2 mph | WIND DIRECTION: START N ~~NE~~ 12/15/15 END N ~~NE~~ 12/15/15

AMBIENT TEMP: START 46°F END 46°F | WET BULB TEMP: | RH percent: 70%



ADDITIONAL INFORMATION:

OBSERVATION DATE: 11/24/15 | START TIME: 3:09 pm | END TIME: 3:39 pm

MIN \ SEC	0	15	30	45	COMMENTS
1	60	60	55	65	
2	65	65	70	70	
3	70	55	60	75	
4	70	80	55	60	
5	60	65	70	65	
6	70	75	55	70	
7	60	60	65	75	
8	75	80	70	75	
9	80	75	55	50	
10	60	55	60	70	
11	75	65	70	70	
12	65	65	60	65	
13	70	50	45	50	
14	45	50	55	65	
15	60	50	60	50	
16	55	55	70	65	
17	75	65	70	70	
18	75	70	60	55	
19	55	75	80	70	
20	75	75	70	70	
21	65	80	75	75	
22	80	65	70	75	
23	75	70	60	75	
24	85	75	65	70	
25	75	75	70	65	
26	70	75	70	70	
27	80	80	70	70	
28	65	80	75	70	
29	75	80	70	60	
30	75	85	90	85	

OBSERVER'S NAME (PRINT): Katherine Bellairs

OBSERVER'S SIGNATURE: [signature] | DATE: 11/24/15

ORGANIZATION: KB USEPA

CERTIFIED BY: Whitlow Enterprises | DATE: 10/21/15

CONTINUED ON VEO FORM NUMBER: | | | end

VISIBLE EMISSION OBSERVATION FORM

No.

COMPANY NAME	AEP Conesville
STREET ADDRESS	47201 County Rd 273 - Stack
(KB 6/29/16)	288 & 483 C Roads - reader
CITY	Conesville
STATE	OH
ZIP	43811
PHONE (KEY CONTACT)	
SOURCE ID NUMBER	

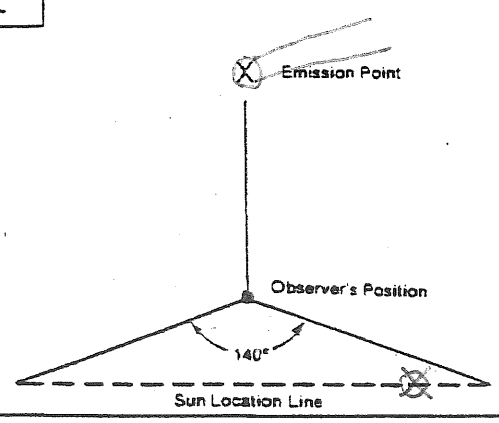
PROCESS EQUIPMENT	Middle Stack
OPERATING MODE	OP.
CONTROL EQUIPMENT	
OPERATING MODE	

DESCRIBE EMISSION POINT	Middle stack, gray plume after stream
HEIGHT ABOVE GROUND LEVEL	1223 ft
HEIGHT RELATIVE TO OBSERVER	Start 1219' End 1219'
DISTANCE FROM OBSERVER	Start 7255' End 7255'
DIRECTION FROM OBSERVER	Start 70° End 70°
DESCRIBE EMISSIONS	Start gray smoke End gray smoke
EMISSION COLOR	Start gray End gray
IF WATER DROPLET PLUME	Attached ☐ Detached ☐
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED	Start End
DESCRIBE PLUME BACKGROUND	Start Blue sky End Blue sky
BACKGROUND COLOR	Start Blue End Blue
SKY CONDITIONS	Start Clear End clear
WIND SPEED	Start 9 End 9
WIND DIRECTION	Start NW End NW
AMBIENT TEMP	Start 37°F End 37°F
WET BULB TEMP	30°F
RH, percent	60%

SOURCE LAYOUT SKETCH

Stack with Plume
Sun
Wind

Draw North Arrow



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
12/17/16	3:11 pm	3:29 pm

SEC / MIN	0	15	30	45	COMMENTS
1	45	50	45	55	reading
2	45	50	60	55	middle
3	55	50	45	50	stack,
4	50	55	55	50	opacity
5	60	55	45	45	only from
6	45	45	40	45	middle
7	40	35	40	45	stack
8	45	55	45	30	plume,
9	40	40	30	25	viewable
10	55	40	50	45	from plant
11	40	45	45	40	drive
12	35	20	20	35	around
13	40	35	35	30	
14	30	15	20	15	
15	40	35	30	35	
16	40	40	30	20	
17	35	35	30	40	
18	35	30	25	25	
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30					

OBSERVER'S NAME (PRINT)	Katrina Bellars
OBSERVER'S SIGNATURE	
DATE	12/17/15
ORGANIZATION	US EPA
CERTIFIED BY	Whitlow Enterprises
DATE	10/21/15
CONTINUED ON VEO FORM NUMBER	end