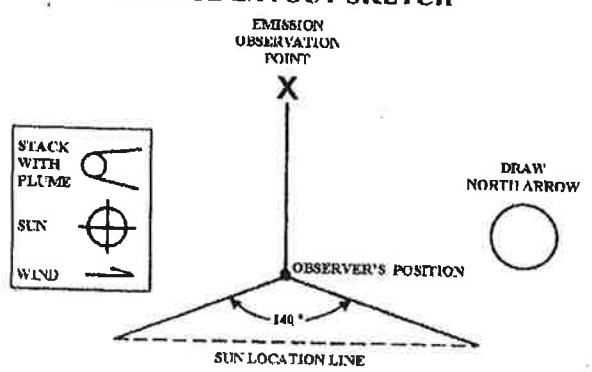
VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	BK
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer Start / End	
Distance to Emission Point Start	100
End	
Direction to Emission Point Start	S/W
End	
Vertical Angle to Observation Pt. Start / End	
Direction to Observation Point Start / End	
Describe Emissions Start / End	
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 / End	
Background Color Start	NIGHT
End	
Sky Condition Start / End	
Wind Speed Start	4
End	
Wind Direction Start	S/E
End	
Ambient Temp Start / End	
Wet Bulb Temp	
RH Percent	

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
1-6-13	0430	0500

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	Still smoking
2	10	10	10	10	Debris
3	10	10	10	10	Just
4	10	10	10	10	Burning
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	Light
9	10	10	10	10	snow
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	20	20	20	20	Debris being
21	20	20	20	20	loaded into
22	20	20	20	20	Container
23	10	10	10	10	
24	10	10	10	10	Very light snow
25	10	10	10	10	Debris
26	10	10	10	10	Just
27	10	10	10	10	burning
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

Observer's Name (Print)	[illegible]
Observer's Signature	[illegible]
Date	1-6-13
Organization	
Certified by	
Date	

Continue on reverse side

Sunday, Jan. 6th, 2013

Visible Emissions Evaluation

Facility Name	ECC Floyd Bennett Field
AVOGADRO Project No.	12-9191
Location (city, state)	Brooklyn, NY
Type of Facility	Debris Removal
Control Equipment / Emission Source	ACB
Date of Observation	01/06/2013
Start Time	0020
Stop Time	0328
Distance from observer (ft)	300'
Direction from observer	NNW
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27' x 9'
Description of plume:	
continuous? fugitive? intermittent?	cont.
color	white
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	1-3 conex lengths
target?	sky
describe background to plume	sky
unique features of plume or stack	—
Weather:	@ 0020
ambient temperature (F)	35°
relative humidity	66%
wind direction	E
wind speed	1-3mph
barometric pressure	30.22 in Hg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	—

Observer's name	Joshua Wagner
Observer certification date	Night-12/20/2012
Certifying agency	Whitlow
Observer affiliation	Avogadro Env.

note: opacity seems to rise up to ~15% during stoking, after which returns to ~5% consistently.

Run Number(s) and Description (Morning) Night Runs 1-8

sec	0	15	30	45
Run 1 Time: 0020				
1	5	5	10	5
2	10	10	5	10
3	5	5	10	5
4	5	10	10	5
5	10	10	5	5
6	10	10	5	10
6-minute Average: 7.5				
Source Conditions:				
Sun Angle (degrees): —				
Run 2 Time: 0046				
1	10	10	10	10
2	10	10	10	10
3	10	10	10	10
4	10	10	10	10
5	15	15	15	10
6	10	10	10	10
6-minute Average: 10.6				
Source Conditions:				
Sun Angle (degrees): —				
Run 3 Time: 0112				
1	10	5	10	5
2	10	5	10	5
3	10	10	15	15
4	15	15	10	10
5	10	5	5	10
6	15	15	15	10
6-minute Average: 10.2				
Source Conditions:				
Sun Angle (degrees): —				
Run 4 Time: 0138				
1	10	5	10	5
2	10	5	10	5
3	5	10	5	10
4	5	5	10	10
5	10	10	10	10
6	10	10	10	10
6-minute Average: 8.3				
Source Conditions:				
Sun Angle (degrees): —				

sec	0	15	30	45
Run 5 Time: 0204				
1	5	5	5	5
2	5	5	5	5
3	5	5	5	5
4	5	5	5	5
5	0	0	5	5
6	5	5	5	5
6-minute Average: 4.6				
Source Conditions:				
Sun Angle (degrees): —				
Run 6 Time: 0230				
1	5	5	0	5
2	5	5	5	5
3	0	5	0	5
4	0	5	0	5
5	5	0	0	5
6	0	5	5	5
6-minute Average: 3.3				
Source Conditions:				
Sun Angle (degrees): —				
Run 7 Time: 0256				
1	5	5	5	5
2	5	5	5	5
3	5	5	5	5
4	5	5	5	5
5	5	5	5	5
6	0	5	0	5
6-minute Average: 4.6				
Source Conditions:				
Sun Angle (degrees): —				
Run 8 Time: 0322				
1	5	5	5	5
2	5	5	5	5
3	0	0	5	5
4	5	5	5	0
5	0	0	5	5
6	0	5	5	5
6-minute Average: 3.8				
Source Conditions:				
Sun Angle (degrees): —				

Range of opacity readings: low 0 high 15

Number of readings above 10 % were 10

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Sunday, Jan 6th, 2013

Run Number(s) and Description Morning Runs 9-12

Visible Emissions Evaluation

Facility Name	ECC Floyd Bennett Field
AVOGADRO Project No.	12-9191
Location (city, state)	Brooklyn, NY
Type of Facility	Debris Removal
Control Equipment / Emission Source	ACB
Date of Observation	01/06/2013
Start Time	0404
Stop Time	0538
Distance from observer (ft)	300'
Direction from observer	NNW
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27'x9'
Description of plume:	
continuous? fugitive? intermittent?	cont
color	white
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	1-3 conex lengths
target?	sky
describe background to plume	sky, snow
unique features of plume or stack	—
Weather: 0404	
ambient temperature (F)	36°
relative humidity	67%
wind direction	E
wind speed	8-9mph
barometric pressure	30.18in Hg
rain? fog? snow? haze?	snow
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	—

Observer's name	Joshua Wagner
Observer certification date	Night 12/20/2012
Certifying agency	Whitlow
Observer affiliation	Avogadro Env.

sec	0	15	30	45	sec	0	15	30	45
min	Run 9	Time: 0404			min	Run	Time:		
1	5	10	5	10	1				
2	5	5	10	5	2				
3	5	10	5	5	3				
4	10	10	5	5	4				
5	10	5	5	5	5				
6	10	10	10	10	6				
6-minute Average: 7.3					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): —					Sun Angle (degrees):				
	Run 10	Time: 0430				Run	Time:		
1	5	5	5	5	1				
2	5	5	5	5	2				
3	5	5	5	5	3				
4	0	0	5	5	4				
5	0	0	5	5	5				
6	5	5	5	5	6				
6-minute Average: 4.2					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): —					Sun Angle (degrees):				
	Run 11	Time: 0456				Run	Time:		
1	5	5	5	10	1				
2	5	0	5	5	2				
3	0	5	5	5	3				
4	5	0	0	5	4				
5	5	5	5	5	5				
6	0	5	5	5	6				
6-minute Average: 4.2					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): —					Sun Angle (degrees):				
	Run 12	Time: 0530				Run	Time:		
1	5	5	10	5	1				
2	5	5	5	5	2				
3	5	5	5	5	3				
4	5	5	5	5	4				
5	5	5	5	5	5				
6	5	5	5	5	6				
6-minute Average: 5.2					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): —					Sun Angle (degrees):				

Range of opacity readings: low 0 high 10

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Visible Emissions Evaluation

Facility Name	ECC FBF
AVOGADRO Project No.	12 - 9191
Location (city, state)	Brooklyn, NY
Type of Facility	
Control Equipment / Emission Source	ACB
Date of Observation	1-6-13
Start Time	0720
Stop Time	0945
Distance from observer (ft)	400' 150'
Direction from observer	N
Stack height (fr. observer's elev.) (ft)	10'
Stack Diameter (in)	27.17 x 8.42
Description of plume:	
continuous? fugitive? intermittent?	CONT
color	WHITE
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	10' downwind
target?	
describe background to plume	Containers
unique features of plume or stack	
Weather:	
ambient temperature (F)	35°F
relative humidity	50%
wind direction	ENE
wind speed	5-10
barometric pressure	29.37
rain? fog? snow? haze?	OVERCAST / RAIN
clearing @ 920	
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	N

Observer's name	MARK TIREADY
Observer certification date	10-22-12
Certifying agency	KOONTZ
Observer affiliation	AVOGADRO / DA

Run Number(s) and Description PAGE 1 1-6-13

sec	0	15	30	45
min	Run 1 Time: 0720			
1	10	5	10	15
2	10	10	10	10
3	15	10	10	10
4	10	10	10	5
5	5	10	10	5
6	5	5	5	10
6-minute Average:	9.0			
Source Conditions:				
Sun Angle (degrees):	50			
	Run 2 Time: 0740			
1	10	10	10	5
2	5	10	10	10
3	10	15	15	10
4	10	10	10	10
5	10	5	5	10
6	10	10	10	10
6-minute Average:	9.6			
Source Conditions:				
Sun Angle (degrees):	45			
	Run 3 Time: ~~45~~ 800			
1	15	15	15	10
2	10	15	15	15
3	10	15	10	10
4	10	15	10	10
5	10	10	10	10
6	10	10	10	10
6-minute Average:	11.7			
Source Conditions:				
Sun Angle (degrees):	40			
	Run 4 Time: 820			
1	5	10	5	10
2	5	5	5	5
3	10	5	5	5
4	5	5	5	5
5	5	5	5	5
6	5	5	5	5
6-minute Average:	5.6			
Source Conditions:				
Sun Angle (degrees):	40			

sec	0	15	30	45
min	Run 5 Time: 840			
1	10	10	10	10
2	10	10	10	10
3	10	10	10	10
4	10	10	10	10
5	10	10	10	10
6	10	10	10	10
6-minute Average:	10			
Source Conditions:				
Sun Angle (degrees):	40			
	Run 6 Time: 900			
1	15	10	10	10
2	10	10	10	10
3	10	10	15	10
4	10	15	10	10
5	10	10	10	10
6	10	10	10	10
6-minute Average:	10.6			
Source Conditions:				
Sun Angle (degrees):	~~40~~ 30			
	Run 7 Time: 920			
1	5	5	5	5
2	10	5	10	5
3	5	5	5	5
4	5	10	5	5
5	10	5	5	5
6	10	5	5	5
6-minute Average:	6.0			
Source Conditions:				
Sun Angle (degrees):	25			
	Run 8 Time: 940			
1	10	5	5	0
2	5	5	5	5
3	5	5	5	5
4	5	10	5	5
5	5	5	5	10
6	5	5	10	5
6-minute Average:	5.6			
Source Conditions:				
Sun Angle (degrees):	25			

Range of opacity readings:
low 5 high 15

Number of readings above 10 % were 14

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Visible Emissions Evaluation

Facility Name	ECC FBF
AVOGADRO Project No.	12-9191
Location (city, state)	BROOKLYN, NY
Type of Facility	
Control Equipment / Emission Source	ACB
Date of Observation	1-6-13
Start Time	1000
Stop Time	1225
Distance from observer (ft)	150'
Direction from observer	N
Stack height (fr. observer's elev.) (ft)	10'
Stack Diameter (in)	22.17 x 8.42
Description of plume:	
continuous? fugitive? intermittent?	Cont.
color	white
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	10' Downwind
target?	
describe background to plume	Containers
unique features of plume or stack	
Weather:	
ambient temperature (F)	37°F
relative humidity	60%
wind direction	ENE
wind speed	5-10
barometric pressure	29.37
rain? fog? snow? haze?	mostly cloudy
	1040 - mostly Sunny
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	N

Observer's name	MARK T. READY
Observer certification date	10-22-12
Certifying agency	KOONTZ
Observer affiliation	AVOGADRO / DA

Run Number(s) and Description PAGE 2 1-6-13

sec	0	15	30	45
min	Run 9 Time: 1000			
1	10	5	10	5
2	5	5	10	5
3	5	10	10	5
4	5	5	10	15
5	10	10	10	10
6	10	10	10	10
6-minute Average:	8.3			
Source Conditions:				
Sun Angle (degrees):	25			
	Run 10 Time: 1020			
1	5	5	10	5
2	5	10	5	10
3	5	5	5	10
4	10	10	10	5
5	5	5	15	15
6	10	5	5	15
6-minute Average:	7.9			
Source Conditions:				
Sun Angle (degrees):	15			
	Run 11 Time: 1040			
1	5	10	10	10
2	5	5	10	10
3	5	5	5	5
4	5	5	5	5
5	10	5	5	5
6	5	5	5	5
6-minute Average:	6.3			
Source Conditions:				
Sun Angle (degrees):	10			
	Run 12 Time: 1100			
1	5	10	10	5
2	10	5	10	5
3	10	5	5	10
4	5	5	5	10
5	5	5	5	5
6	10	10	5	5
6-minute Average:	6.9			
Source Conditions:				
Sun Angle (degrees):	10			

sec	0	15	30	45
min	Run 13 Time: 1120			
1	10	10	5	10
2	5	5	10	5
3	10	5	10	5
4	10	5	5	10
5	10	10	10	10
6	5	10	10	10
6-minute Average:	8.1			
Source Conditions:				
Sun Angle (degrees):	5			
	Run 14 Time: 1140			
1	10	10	10	10
2	10	10	10	10
3	10	10	10	10
4	10	10	10	10
5	5	10	10	5
6	5	10	10	5
6-minute Average:	9.2			
Source Conditions:				
Sun Angle (degrees):	0			
	Run 15 Time: 1200			
1	5	5	10	10
2	5	10	5	5
3	5	5	5	5
4	10	5	5	5
5	10	5	10	5
6	5	10	10	10
6-minute Average:	6.9			
Source Conditions:				
Sun Angle (degrees):	5			
	Run 16 Time: 1220			
1	5	10	10	5
2	5	5	5	5
3	5	10	5	5
4	10	5	5	5
5	10	10	5	10
6	5	5	10	10
6-minute Average:	6.9			
Source Conditions:				
Sun Angle (degrees):	15			

Range of opacity readings: low 5 high 15

Number of readings above 10 % were 4

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Visible Emissions Evaluation

Facility Name	ECC FBF
AVOGADRO Project No.	12-9191
Location (city, state)	Brooklyn, MI
Type of Facility	
Control Equipment / Emission Source	ACB
Date of Observation	1-6-13
Start Time	1240
Stop Time	1505
Distance from observer (ft)	150'
Direction from observer	NE
Stack height (fr. observer's elev.) (ft)	10'
Stack Diameter (in)	27.17 x 8.42
Description of plume:	
continuous? fugitive? intermittent?	CONT.
color	white
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	10' Downwind
target?	
describe background to plume	Containers
unique features of plume or stack	
Weather:	
ambient temperature (F)	48°F
relative humidity	45%
wind direction	E
wind speed	5-10
barometric pressure	29.37
rain? fog? snow? haze?	Clear
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	N

Observer's name	MARK TIREADY
Observer certification date	10-22-12
Certifying agency	KOONTZ
Observer affiliation	AVOGADRO / DA

Run Number(s) and Description PAGE 3 1-6-13

sec	0	15	30	45
min	Run 17 Time: 1240			
1	0	5	5	5
2	5	5	5	5
3	5	5	5	10
4	5	5	5	5
5	10	5	5	5
6	5	10	5	5
6-minute Average:	5.4			
Source Conditions:				
Sun Angle (degrees):	15			
	Run 18 Time: 1300			
1	10	5	5	10
2	5	5	5	10
3	10	10	10	10
4	10	10	5	10
5	10	10	15	10
6	15	15	15	10
6-minute Average:	9.6			
Source Conditions:				
Sun Angle (degrees):	15			
	Run 19 Time: 1320			
1	10	10	5	5
2	5	5	5	5
3	10	10	10	5
4	5	10	10	5
5	10	5	5	10
6	10	10	10	5
6-minute Average:	7.5			
Source Conditions:				
Sun Angle (degrees):	10			
	Run 20 Time: 1340			
1	10	5	5	10
2	5	5	5	5
3	10	10	5	10
4	5	5	10	5
5	10	10	10	10
6	5	10	5	5
6-minute Average:	7.3			
Source Conditions:				
Sun Angle (degrees):	10			

sec	0	15	30	45
min	Run 21 Time: 1400			
1	15	15	5	10
2	10	5	10	10
3	5	15	15	10
4	5	5	5	5
5	5	10	5	10
6	10	10	5	10
6-minute Average:	9.0			
Source Conditions:				
Sun Angle (degrees):	15			
	Run 22 Time: 1420			
1	5	5	5	5
2	5	5	5	5
3	5	10	5	5
4	5	10	10	10
5	5	5	5	5
6	5	10	5	5
6-minute Average:	6.0			
Source Conditions:				
Sun Angle (degrees):	15			
	Run 23 Time: 1440			
1	10	10	10	5
2	10	10	15	15
3	15	15	15	15
4	15	15	15	10
5	5	10	10	10
6	10	10	10	10
6-minute Average:	11.5			
Source Conditions:				
Sun Angle (degrees):	20			
	Run 24 Time: 1500			
1	0	0	0	0
2	0	0	0	0
3	0	5	0	0
4	0	5	0	5
5	5	0	0	0
6	0	5	5	0
6-minute Average:	1.3			
Source Conditions:				
Sun Angle (degrees):	25			

Range of opacity readings:
low 0 high 15

Number of readings above 10 % were 17

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Visible Emissions Evaluation

Facility Name	ECC FBF
AVOGADRO Project No.	12 9191
Location (city, state)	BROOKLYN NY
Type of Facility	
Control Equipment / Emission Source	ACB
Date of Observation	1-6-13
Start Time	1520
Stop Time	
Distance from observer (ft)	150'
Direction from observer	NE
Stack height (fr. observer's elev.) (ft)	10'
Stack Diameter (in)	27.17 x 8.42
Description of plume:	
continuous? fugitive? intermittent?	CONT.
color	WHITE
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	10' Downwind
target?	
describe background to plume	Containers
unique features of plume or stack	
Weather:	
ambient temperature (F)	50°F
relative humidity	45%
wind direction	E
wind speed	5-10
barometric pressure	29.37
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	N

Observer's name	MARK T. READY
Observer certification date	10-22-12
Certifying agency	KOONTZ
Observer affiliation	AVOGADRO/DA

Run Number(s) and Description PAGE 4 1-6-13

sec	0	15	30	45	sec	0	15	30	45
min	Run 25 Time: 1520				min	Run Time:			
1	15	15	10	10	1				
2	5	5	5	5	2				
3	10	10	5	15	3				
4	5	5	5	10	4				
5	5	10	10	10	5				
6	10	10	10	15	6				
6-minute Average: 9.0					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): 20					Sun Angle (degrees):				
	Run 26 Time: 1540					Run Time:			
1	10	5	5	5	1				
2	10	5	5	5	2				
3	5	5	5	10	3				
4	5	10	5	5	4				
5	10	10	5	10	5				
6	5	5	5	5	6				
6-minute Average: 6.5					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): 20					Sun Angle (degrees):				
	Run 27 Time: 1600					Run Time:			
1	5	10	10	5	1				
2	5	5	5	5	2				
3	5	5	5	10	3				
4	5	5	5	5	4				
5	5	5	5	15	5				
6	40	20	15	15	6				
6-minute Average: 9.0					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): 20					Sun Angle (degrees):				
	Run 28 Time: 1620					Run Time:			
1	5	5	5	5	1				
2	5	10	5	5	2				
3	15	15	15	15	3				
4	15	15	10	10	4				
5	15	15	15	15	5				
6	15	15	15	15	6				
6-minute Average: 11.5					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees): 25					Sun Angle (degrees):				

Range of opacity readings:
low 5 high 40 *

Number of readings above 10 % were 23

Observer's Signature

* OPERATOR WAS STIRRING THE FIREBOX @ 1605

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Sunday Jan 6th, 2013

Visible Emissions Evaluation

Facility Name	ECC Floyd Bennett Field
AVOGADRO Project No.	12-9191
Location (city, state)	Brooklyn, NY
Type of Facility	Debris Removal
Control Equipment / Emission Source	ACB
Date of Observation	01/06/2013
Start Time	1900
Stop Time	2210
Distance from observer (ft)	300'
Direction from observer	NNW
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27' x 9'
Description of plume:	
continuous? fugitive? intermittent?	cont
color	white
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	1-3 conex lengths
target?	sky
describe background to plume	sky
unique features of plume or stack	—
Weather:	@ 1900
ambient temperature (F)	41°
relative humidity	62%
wind direction	E
wind speed	4-7mph
barometric pressure	30.01 in Hg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	—

Observer's name	Joshua Wagner
Observer certification date	Night 12/20/2012
Certifying agency	Whitlow
Observer affiliation	Avogadro Env.

Run Number(s) and Description: Night Runs 1-8

sec	0	15	30	45
min	Run 1 Time: 1900			
1	10	15	10	15
2	15	15	15	15
3	15	15	15	15
4	15	15	20	15
5	15	15	15	15
6	15	15	15	15
6-minute Average: 14.2				
Source Conditions: heating up plant				
~~Sun Angle (degrees)~~: ash removal				
	Run 2 Time: 1926			
1	15	15	15	15
2	15	15	15	15
3	20	20	15	15
4	15	15	15	15
5	15	15	15	10
6	10	15	15	10
6-minute Average: 14.8				
Source Conditions: heating up plant				
~~Sun Angle (degrees)~~: ash removal				
	Run 3 Time: 1952			
1	0	0	0	0
2	0	0	0	0
3	5	5	5	0
4	0	0	5	5
5	5	0	0	5
6	0	0	5	5
6-minute Average: 1.9				
Source Conditions:				
Sun Angle (degrees): —				
	Run 4 Time: 2020			
1	5	5	10	5
2	5	10	5	5
3	5	5	5	5
4	10	10	10	5
5	5	10	5	10
6	10	5	5	10
6-minute Average: 6.5				
Source Conditions:				
Sun Angle (degrees): —				

sec	0	15	30	45
min	Run 5 Time: 2046			
1	5	10	5	10
2	5	5	10	5
3	10	10	5	10
4	5	5	10	10
5	15	15	15	10
6	5	5	5	5
6-minute Average: 8.1				
Source Conditions:				
Sun Angle (degrees): —				
	Run 6 Time: 2112			
1	5	5	5	5
2	5	5	5	5
3	5	5	5	5
4	0	5	0	5
5	0	5	0	5
6	0	5	0	5
6-minute Average: 3.8				
Source Conditions:				
Sun Angle (degrees): —				
	Run 7 Time: 2138			
1	10	5	10	10
2	5	10	10	10
3	5	10	5	10
4	5	5	10	5
5	5	10	5	5
6	[illegible]	10	10	10
6-minute Average: 7.9				
Source Conditions:				
Sun Angle (degrees): —				
	Run 8 Time: 2204			
1	5	10	5	10
2	10	10	5	10
3	10	10	10	5
4	5	10	10	5
5	10	10	10	10
6	5	10	10	5
6-minute Average: 8.3				
Source Conditions:				
Sun Angle (degrees): —				

Range of opacity readings: low 0 high 20

Number of readings above 10 % were 46

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Sunday, Jan 6th, 2013

Run Number(s) and Description: Night Runs 9-12

Visible Emissions Evaluation

Facility Name	ECC Floyd Bennett Field
AVOGADRO Project No.	12-9191
Location (city, state)	Brooklyn, NY
Type of Facility	Debris Removal
Control Equipment / Emission Source	ACB
Date of Observation	01/06/2013
Start Time	2230
Stop Time	2354
Distance from observer (ft)	300'
Direction from observer	NNW
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27' x 9'
Description of plume:	
continuous? fugitive? intermittent?	Cont
color	White
water drops present? (Y/N)	N
attached steam plume? (Y/N)	N
detached steam plume? (Y/N)	N
secondary plume? (Y/N)	N
point where opacity read	1-3 conex lengths
target?	sky
describe background to plume	"
unique features of plume or stack	—
Weather:	—
ambient temperature (F)	41°
relative humidity	62%
wind direction	E
wind speed	0-5mph
barometric pressure	30.01 inHg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	Y
sunglasses? (Y/N)	—

Observer's name	Joshua Wagner
Observer certification date	Night 12/20/2012
Certifying agency	Whitlow
Observer affiliation	Avogadro Env.

sec	0	15	30	45
min — Run 9 Time: 2230				
1	10	10	10	10
2	10	10	10	10
3	10	15	15	10
4	15	10	15	10
5	15	10	10	15
6	10	15	10	10
6-minute Average: 11.5				
Source Conditions: loading subpar fuel				
Sun Angle (degrees): —				
Run 10 Time: 2256				
1	5	5	5	5
2	10	5	10	5
3	5	5	5	5
4	0	0	0	5
5	5	5	5	5
6	5	5	5	5
6-minute Average: 4.8				
Source Conditions:				
Sun Angle (degrees): —				
Run 11 Time: 2322				
1	10	10	10	10
2	5	10	10	10
3	5	10	10	5
4	10	10	5	10
5	10	10	10	5
6	10	10	10	5
6-minute Average: 8.8				
Source Conditions:				
Sun Angle (degrees): —				
Run 12 Time: 2348				
1	5	10	5	5
2	10	10	10	5
3	10	10	10	10
4	10	10	10	15
5	15	15	15	10
6	10	10	15	15
6-minute Average: 10.4				
Source Conditions:				
Sun Angle (degrees): —				

sec	0	15	30	45
min — Run Time:				
1				
2				
3				
4				
5				
6				
6-minute Average:				
Source Conditions:				
Sun Angle (degrees):				
Run Time:				
1				
2				
3				
4				
5				
6				
6-minute Average:				
Source Conditions:				
Sun Angle (degrees):				
Run Time:				
1				
2				
3				
4				
5				
6				
6-minute Average:				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 15

Number of readings above 10 % were 13

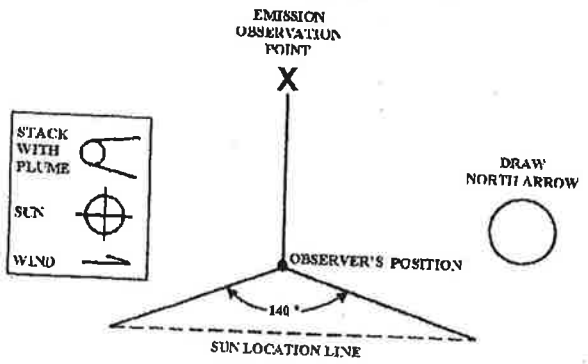
Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	BK
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer Start	S/W End
Distance to Emission Point Start	100' End
Direction to Emission Point Start	S/W End
Vertical Angle to Observation Pt. Start / End	
Direction to Observation Point Start / End	
Describe Emissions Start / End	
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 / End	
Background Color Start	Night End
Sky Condition Start / End	
Wind Speed Start	4 End
Wind Direction Start	S/E End
Ambient Temp Start / End	
Wet Bulb Temp	
RH Percent	

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
1-6-13	0730	0900

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	Debris
2	10	10	10	10	Just
3	10	10	10	10	Burning
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	
9	10	10	10	10	
10	20	20	20	20	Debris being
11	20	20	20	20	loaded into
12	20	20	20	20	Containers
13	20	20	20	20	
14	20	20	20	20	
15	20	20	20	20	
16	10	10	10	10	
17	10	10	10	10	Debris
18	10	10	10	10	Just
19	10	10	10	10	Burning
20	20	20	20	20	
21	20	20	20	20	Debris being
22	20	20	20	20	loaded into
23	20	20	20	20	Containers
24	20	20	20	20	
25	10	10	10	10	Debris
26	10	10	10	10	Just
27	10	10	10	10	Burning
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

Observer's Name (Print)	August Buffa
Observer's Signature	A. Buffa
Date	1-6-13
Organization	
Certified by	
Date	

Continue on reverse side

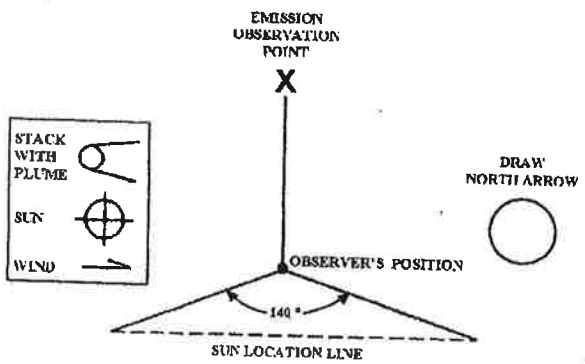
VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	Bk
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer	Start End
Distance to Emission Point	Start 100 End
Direction to Emission Point	Start S/E End
Vertical Angle to Observation Pt.	Start End
Direction to Observation Point	Start End
Describe Emissions	Start End
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 End
Background Color	Start Night End
Sky Condition	Start End
Wind Speed	Start 4 End
Wind Direction	Start S/E End
Ambient Temp	Start End
Wet Bulb Temp	
RH Percent	

Observation Date	Start Time	End Time
1-6-13	0200	0230

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	Debris
2	10	10	10	10	Just
3	10	10	10	10	Burning
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	20	20	20	20	Debris being
8	20	20	20	20	loaded into
9	20	20	20	20	Container
10	20	20	20	20	
11	10	10	10	10	
12	10	10	10	10	Debris
13	10	10	10	10	Just
14	10	10	10	10	Burning
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	
21	20	20	20	20	Debris being
22	20	20	20	20	loaded into
23	20	20	20	20	Container
24	10	10	10	10	
25	10	10	10	10	Debris
26	10	10	10	10	Just
27	10	10	10	10	Burning
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

SOURCE LAYOUT SKETCH



Observer's Name (Print)	Augustus Buffa
Observer's Signature	A Buffa
Date	1-6-13
Organization	
Certified by	
Date	
Additional Information	
Continue on reverse side	

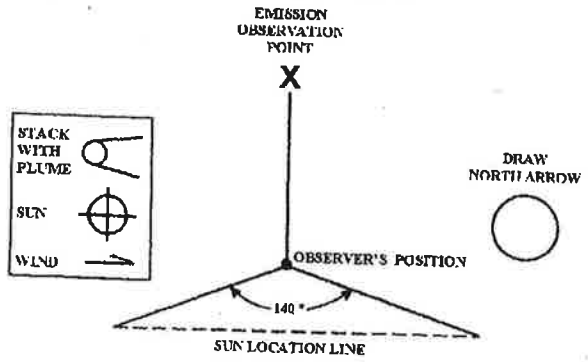
VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	BK
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer Start / End	
Distance to Emission Point Start / End	Start 100
Direction to Emission Point Start / End	Start S / End
Vertical Angle to Observation Pt. Start / End	
Direction to Observation Point Start / End	
Describe Emissions Start / End	
Emission Color Start / End	Start white
If Water Droplet Plume (Circle)	Attached Detached N/A
Point In The Plume At Which Opacity Was Determined Start / End	
Describe Plume Background Start / End	
Background Color Start / End	Start Night
Sky Condition Start / End	
Wind Speed Start / End	Start 4
Wind Direction Start / End	Start S / End
Ambient Temp Start / End	
Wet Bulb Temp	
RH Percent	

Observation Date 1-6-13 | Start Time 0150 | End Time 0200

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	Debris
2	10	10	10	10	Just
3	10	10	10	10	burning
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	20	20	20	20	Debris being
17	20	20	20	20	loaded into
18	20	20	20	20	Container
19	20	20	20	20	
20	20	20	20	20	
21	20	20	20	20	
22	20	20	20	20	
23	10	10	10	10	
24	10	10	10	10	Debris
25	10	10	10	10	Just
26	10	10	10	10	burning
27	10	10	10	10	
28	10	10	10	10	
29	20	20	20	20	Debris being loaded
30	20	20	20	20	into Container

SOURCE LAYOUT SKETCH



Observer's Name (Print)	August Buffa
Observer's Signature	A Buffa
Date	1-6-13
Organization	
Certified by	
Date	
Additional Information	
Continue on reverse side	

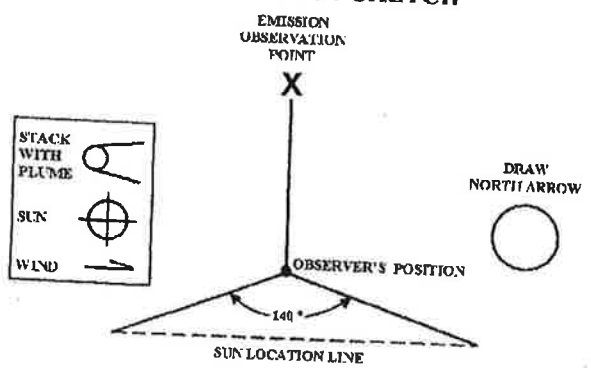
VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	BK
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer	Start / End
Distance to Emission Point	Start 100' / End
Direction to Emission Point	Start SW / End
Vertical Angle to Observation Pt.	Start / End
Direction to Observation Point	Start / End
Describe Emissions	Start / End
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 / End
Background Color	Start Night / End
Sky Condition	Start / End
Wind Speed	Start 4 / End
Wind Direction	Start S / End
Ambient Temp	Start / End
Wet Bulb Temp	
RH Percent	

Observation Date: 1-6-13 | Start Time: 0100 | End Time: 0130

Min \ Sec	0	15	30	45	Comments
1	20	20	20	20	Debris being
2	20	20	20	20	loaded into
3	20	20	20	20	Container
4	20	20	20	20	
5	10	10	10	10	
6	10	10	10	10	Debris
7	10	10	10	10	Just
8	10	10	10	10	burning
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	20	20	20	20	Debris being
21	20	20	20	20	put into
22	20	20	20	20	Container
23	10	10	10	10	
24	10	10	10	10	Debris
25	10	10	10	10	Just
26	10	10	10	10	Burning
27	10	10	10	10	
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

SOURCE LAYOUT SKETCH



Observer's Name (Print)	August Duffy
Observer's Signature	
Date	1-6-13
Organization	
Certified by	
Date	
Additional Information	
Continue on reverse side	

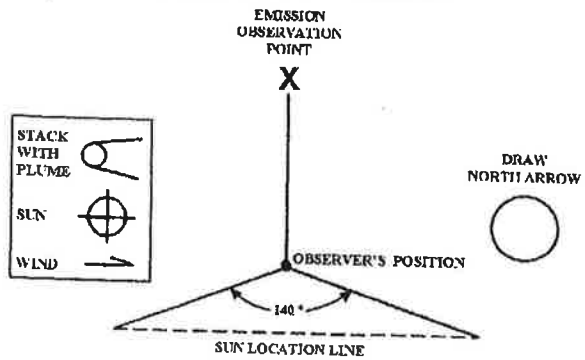
VISIBLE EMISSION OBSERVATION FORM

Company Name: NYC DEP		
Location: Flyn Bennette Field		
City: B/C	State: NY	Zip
Process Equipment		Operating Mode
Control Equipment		Operating Mode
Describe Emission Point		
Height of Emission Point	Height Relative to Observer: Start / End	
Distance to Emission Point: Start 100 End	Direction to Emission Point: Start S/W End	
Vertical Angle to Observation Pt.: Start / End	Direction to Observation Point: Start / End	
Describe Emissions: Start / End		
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 / End		
Background Color: Start MGHT End	Sky Condition: Start / End	
Wind Speed: Start / End 4	Wind Direction: Start S/W End	
Ambient Temp: Start / End	Wet Bulb Temp	RH Percent

Observation Date	Start Time	End Time
1-6-13	0030	0130

Min \ Sec	0	15	30	45	Comments
1	20	20	20	20	Debris being
2	20	20	20	20	loaded into
3	20	20	20	20	Container
4	20	20	20	20	↓
5	20	20	20	20	
6	10	10	10	10	
7	10	10	10	10	Debris
8	10	10	10	10	
9	10	10	10	10	Dust
10	10	10	10	10	
11	10	10	10	10	burning
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	
21	10	10	10	10	
22	10	10	10	10	
23	10	10	10	10	
24	10	10	10	10	↓
25	10	10	10	10	
26	10	10	10	10	
27	20	20	20	20	Debris being
28	20	20	20	20	loaded into
29	20	20	20	20	Container
30	20	20	20	20	

SOURCE LAYOUT SKETCH



Observer's Name (Print)	
Observer's Signature	Date 1-6-13
Organization	
Certified by	Date

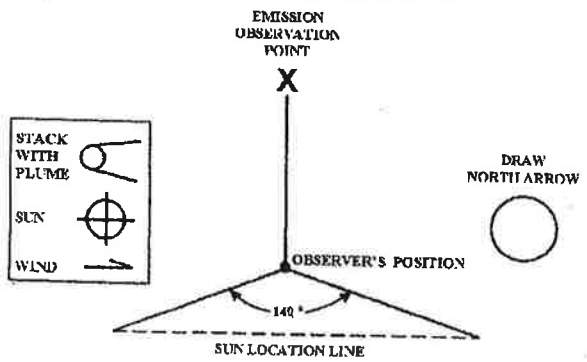
Additional Information

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennette Field
City	BK
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer	Start End
Distance to Emission Point	Start 100 End
Direction to Emission Point	Start S/W End
Vertical Angle to Observation Pt.	Start End
Direction to Observation Point	Start End
Describe Emissions	Start End
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 End
Background Color	Start Night End
Sky Condition	Start End
Wind Speed	Start 4 End
Wind Direction	Start S/E End
Ambient Temp	Start End
Wet Bulb Temp	
RH Percent	

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
1-6-13	0000	0030

Min \ Sec	0	15	30	45	Comments
1	0	0	0	0	Start
2	0	0	0	0	
3	0	0	0	0	Burning
4	0	0	0	0	
5	0	0	0	0	
6	0	0	0	0	
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	0	
18	0	0	0	0	
19	0	0	0	0	
20	0	0	0	0	
21	0	0	0	0	
22	0	0	0	0	
23	0	0	0	0	
24	0	0	0	0	
25	0	0	0	0	
26	0	0	0	0	
27	0	0	0	0	
28	0	0	0	0	
29	0	0	0	0	
30	0	0	0	0	

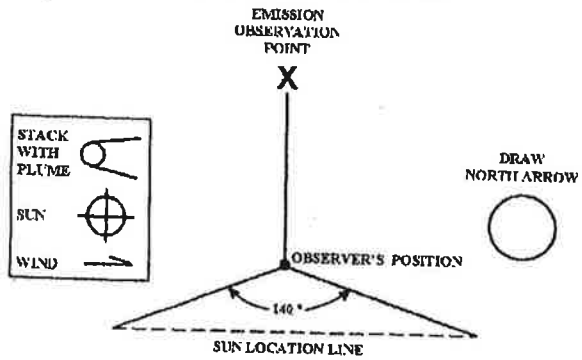
Observer's Name (Print)	AUGUST DAFFA
Observer's Signature	A Daffa
Date	1-6-13
Organization	
Certified by	
Date	

Continue on reverse side

VISIBLE EMISSION OBSERVATION FORM

Company Name	ARC DEP
Location	Floyd Bennett Field
City	BC
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer	Start End
Distance to Emission Point	Start 100 End
Direction to Emission Point	Start S/W End
Vertical Angle to Observation Pt.	Start End
Direction to Observation Point	Start End
Describe Emissions	Start End
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 End
Background Color	Start Night End
Sky Condition	Start End
Wind Speed	Start 4 End
Wind Direction	Start S/W End
Ambient Temp	Start End
Wet Bulb Temp	
RH Percent	

SOURCE LAYOUT SKETCH



Additional Information

Observation Date	Start Time	End Time
1-6-13	0500	0530

Min \ Sec	0	15	30	45	Comments
1	20	20	20	20	Debris being
2	20	20	20	20	loaded into
3	20	20	20	20	Containers
4	20	20	20	20	
5	10	10	10	10	Debris
6	10	10	10	10	Dust
7	10	10	10	10	Burning
8	10	10	10	10	
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	Debris
18	10	10	10	10	Dust
19	10	10	10	10	burning
20	10	10	10	10	
21	10	10	10	10	
22	10	10	10	10	
23	10	10	10	10	
24	10	10	10	10	
25	10	10	10	10	
26	10	10	10	10	
27	10	10	10	10	
28	10	10	10	10	
29	10	10	10	10	
30	10	10	10	10	

Observer's Name (Print)	Anthony Duffy
Observer's Signature	[signature]
Date	1-6-13
Organization	
Certified by	
Date	

Continue on reverse side

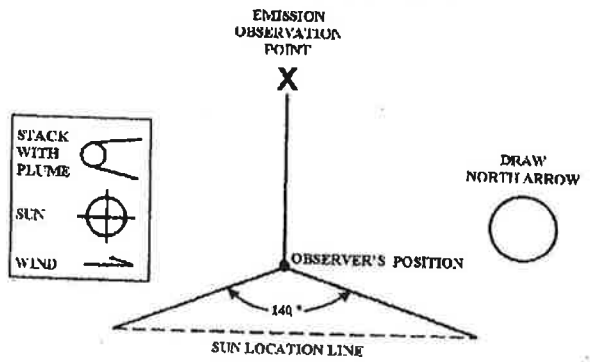
VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	B/C
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer Start / End	
Distance to Emission Point Start / End	100
Direction to Emission Point Start / End	S/W
Vertical Angle to Observation Pt. Start / End	
Direction to Observation Point Start / End	
Describe Emissions Start / End	
Emission Color Start / End	White
If Water Droplet Plume (Circle)	Attached Detached N/A
Point In The Plume At Which Opacity Was Determined Start / End	
Describe Plume Background Start / End	
Background Color Start / End	Night
Sky Condition Start / End	
Wind Speed Start / End	4
Wind Direction Start / End	S/W
Ambient Temp Start / End	
Wet Bulb Temp	
RH Percent	

Observation Date: 1-6-13 Start Time: 0800 End Time: 0850

Min \ Sec	0	15	30	45	Comments
1	25	25	25	25	Snowing
2	25	25	25	25	
3	25	25	25	25	Debris being
4	25	25	25	25	loaded into
5	25	25	25	25	Container
6	25	25	25	25	↓
7	25	25	25	25	
8	25	25	25	25	
9	25	25	25	25	
10	10	10	10	10	Debris
11	10	10	10	10	dust
12	10	10	10	10	Burning
13	10	10	10	10	↓
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	
21	10	10	10	10	
22	10	10	10	10	↓
23	25	25	25	25	Debris being loaded
24	25	25	25	25	into Container
25	10	10	10	10	
26	10	10	10	10	Debris
27	10	10	10	10	dust
28	10	10	10	10	Burning
29	10	10	10	10	↓
30	10	10	10	10	

SOURCE LAYOUT SKETCH

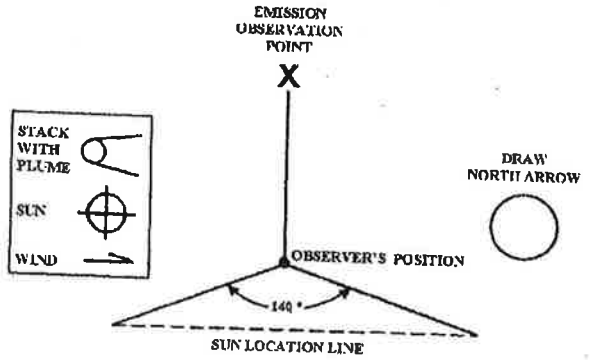


Observer's Name (Print)	Aubrey Duffy
Observer's Signature	
Date	1-6-13
Organization	
Certified by	
Date	
Additional Information	
Continue on reverse side	

VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	
State	
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer	Start End
Distance to Emission Point	Start 100 End
Direction to Emission Point	Start S/W End
Vertical Angle to Observation Pt.	Start End
Direction to Observation Point	Start End
Describe Emissions	Start End
Emission Color	White Start 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 End
Background Color	Night Start End
Sky Condition	Start End
Wind Speed	4 Start End
Wind Direction	S/E Start End
Ambient Temp	Start End
Wet Bulb Temp	
RH Percent	

SOURCE LAYOUT SKETCH



Observation Date	Start Time	End Time
1-6-13	0330	0400

Min \ Sec	0	15	30	45	Comments
1	10	10	10	10	Debris
2	10	10	10	10	Just
3	10	10	10	10	burning
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	20	20	20	20	Light Snow
21	20	20	20	20	Debris being
22	20	20	20	20	loaded into
23	20	20	20	20	Container
24	20	20	20	20	
25	20	20	20	20	
26	20	20	20	20	
27	20	20	20	20	
28	10	10	10	10	Debris
29	10	10	10	10	Just
30	10	10	10	10	Burning

Observer's Name (Print)	Arthur Buffa
Observer's Signature	A Buffa
Date	1-6-13
Organization	
Certified by	
Date	
Continue on reverse side	

Additional Information

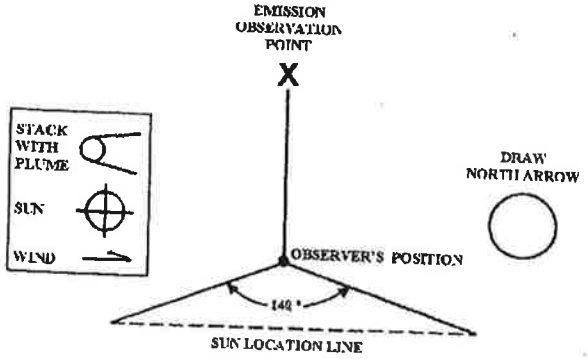
VISIBLE EMISSION OBSERVATION FORM

Company Name	NYC DEP
Location	Floyd Bennett Field
City	Bk
State	NY
Zip	
Process Equipment	
Operating Mode	
Control Equipment	
Operating Mode	
Describe Emission Point	
Height of Emission Point	
Height Relative to Observer Start / End	
Distance to Emission Point Start / End	100
Direction to Emission Point Start / End	S/W
Vertical Angle to Observation Pt. Start / End	
Direction to Observation Point Start / End	
Describe Emissions Start / End	
Emission Color Start / End	White
If Water Droplet Plume (Circle)	Attached Detached N/A
Point In The Plume At Which Opacity Was Determined Start / End	
Describe Plume Background Start / End	
Background Color Start / End	Mbkt
Sky Condition Start / End	
Wind Speed Start / End	4
Wind Direction Start / End	S/E
Ambient Temp Start / End	
Wet Bulb Temp	
RH Percent	

Observation Date	Start Time	End Time
1-6-13	0300	0330

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

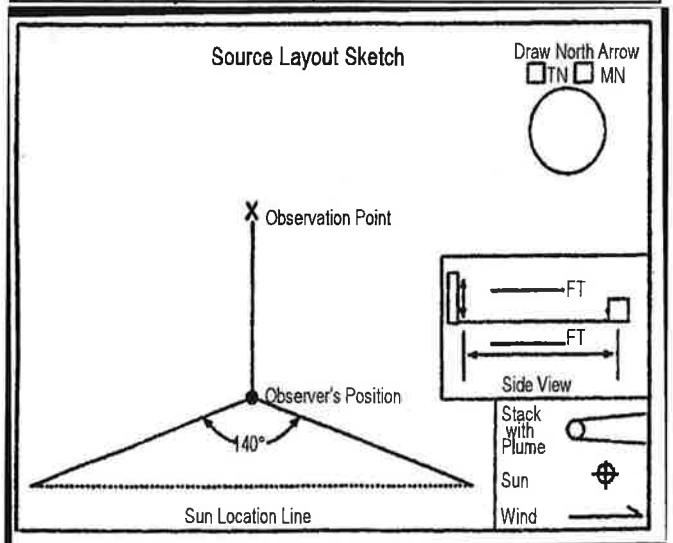
SOURCE LAYOUT SKETCH



Observer's Name (Print)	August Duffy
Observer's Signature	
Date	1-6-13
Organization	
Certified by	
Date	
Additional Information	
Continue on reverse side	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennie
LOCATION	
CITY	Bklyn
STATE	NY.
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinirator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container
HEIGHT OF EMISSION POINT	6' to 7 ft
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START ~~West~~ END
DISTANCE TO EMISSION POINT	START 100 ft END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START West END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START ~~White Smoke~~ END Lofting Plume
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Strobe Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 to 3 END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

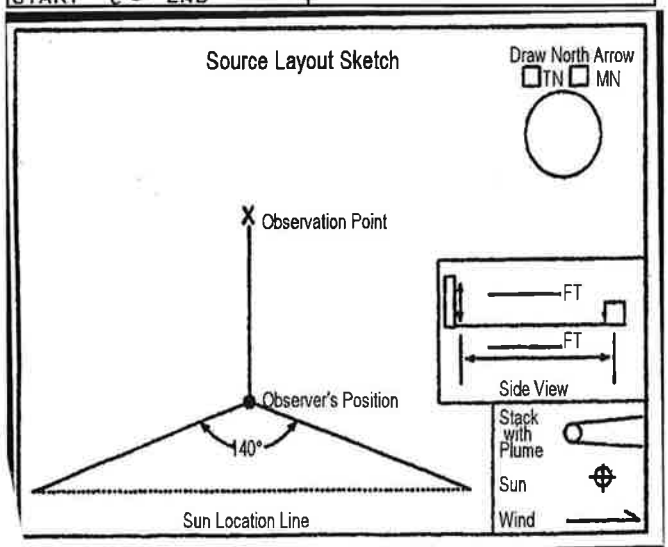
OBSERVATION DATE	START TIME	END TIME
1/6/13	1815	1845

MIN \ SEC	0	15	30	45	COMMENTS
1	60	30	25	20	No loading
2	20	20	30	35	Stirring Process
3	40	20	15	30	Possibly Cleaning
4	30	30	40	30	Removing Ash
5	25	15	15	15	From Box.
6	10	10	10	10	Water Being
7	10	10	10	10	Added Around
8	10	10	10	30	Incinirator
9	30	60	60	60	Burned Material
10	60	25	25	25	Being Redistributed
11	60	60	60	60	Around Combustion
12	50	30	30	10	Area, no loading
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	10	10	10	10	
17	15	15	15	15	
18	60	60	60	60	Stirring Burning
19	60	30	20	25	Debris No loading
20	10	10	10	15	
21	10	15	10	10	
22	20	20	20	20	Loading of
23	20	20	20	20	Debris
24	20	20	20	30	(Small Amount)
25	20	20	20	20	
26	20	20	20	30	
27	30	20	20	30	
28	30	30	20	20	
29	30	30	20	15	Loading Stop.
30	10	10	10	10	

OBSERVER'S NAME (PRINT)	Jean G Belizaire
OBSERVER'S SIGNATURE	[signature]
DATE	1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	
DATE	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennedfield
LOCATION	
CITY	Brooklyn NY
STATE	
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container.
HEIGHT OF EMISSION POINT	6' to 7' F.
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START ~~West~~ END
DISTANCE TO EMISSION POINT	START 100 ft END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START ~~White Smoke~~ Wafting END
EMISSION COLOR	START WHITE END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Strobe Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 to 3 END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45° F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

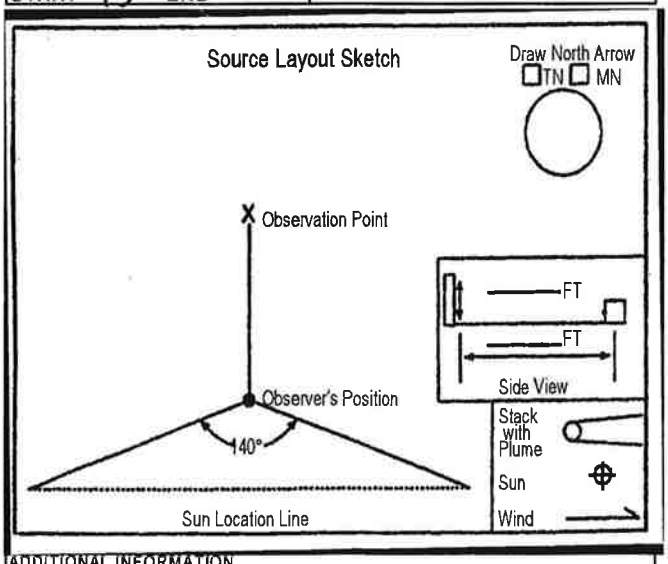
OBSERVATION DATE	START TIME	END TIME
1/6/13	1845	1915

MIN \ SEC	0	15	30	45	COMMENTS
1	10	10	10	10	No Loading
2	15	15	15	15	
3	15	10	10	10	
4	10	10	30	30	Loading of Debris
5	20	20	20	20	↓ ↓
6	20	20	20	20	↓ ↓
7	30	30	50	50	↓ ↓
8	50	40	30	30	↓ ↓
9	30	20	20	20	↓ ↓
10	20	20	20	15	No Loading
11	15	15	15	15	↓ ↓
12	15	15	15	15	↓ ↓
13	15	15	15	15	Loading
14	20	20	20	15	↓ ↓
15	15	15	15	15	No Loading
16	10	10	10	10	↓ ↓
17	10	10	15	15	Loading
18	10	10	10	15	↓ ↓
19	15	15	10	10	No Loading
20	10	10	10	10	↓ ↓
21	10	10	10	10	↓ ↓
22	15	15	15	15	Loading
23	20	20	20	15	Flame High!
24	15	15	15	10	↓ ↓
25	10	10	10	10	↓ ↓
26	10	10	10	10	↓ ↓
27	10	10	10	10	↓ ↓
28	10	15	10	5	Air Curtain starts!
29	5	5	5	5	No Loading
30	5	5	10	10	

OBSERVER'S NAME (PRINT)	Jean G. Belizaire
OBSERVER'S SIGNATURE	[signature]
DATE	1/6/13.
ORGANIZATION	NYC DEP
CERTIFIED BY	
DATE	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett
LOCATION	FIELD
CITY	Bklyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Reclamation 6' Ft Tall Container.
HEIGHT OF EMISSION POINT	6' TO 7' F
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START ~~WEST~~ END
DISTANCE TO EMISSION POINT	START 100' F END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START WEST END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Wafting Plume END
EMISSION COLOR	START WHITE END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Continual shooting lights END
BACKGROUND COLOR	START ~~0 TO 3~~ END M/H
SKY CONDITIONS	START NIGHT END
WIND SPEED	START 0 TO 3 END M/H
WIND DIRECTION	START NW END
AMBIENT TEMP	START 75°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

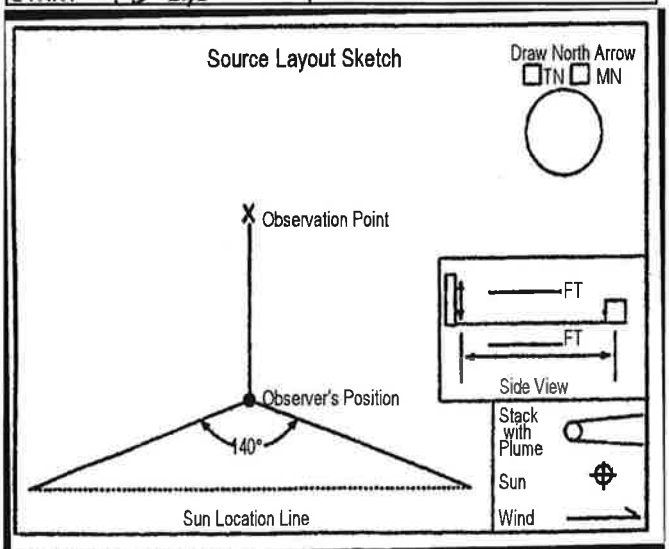
OBSERVATION DATE	START TIME	END TIME
	1915	1945

MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2	20	20	20	15	LOADING
3	15	15	15	15	LOADING.
4	15	15	15	15	
5	20	20	20	20	
6	30	30	10	10	
7	10	10	15	15	
8	30	30	15	15	
9	15	15	30	30	
10	20	20	20	20	NO LOADING
11	20	20	30	30	
12	30	20	20	20	
13	20	15	15	15	
14	10	10	10	10	
15	10	10	10	10	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	NO LOADING
21	5	5	5	5	
22	5	5	5	5	
23	5	5	5	5	
24	5	5	5	5	
25	5	5	5	5	
26	5	5	5	5	
27	5	5	5	5	
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT)	William G. Bonzalez
OBSERVER'S SIGNATURE	DATE 1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett
LOCATION	Field
CITY	Bklyn
STATE	NY.
ZIP	
PROCESS EQUIPMENT	Air Contain Incineration
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' ft Tall Container
HEIGHT OF EMISSION POINT	6' to 7' ft
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START END
DISTANCE TO EMISSION POINT	START 100 ft END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START West END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Coffing Plume END
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Structure Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 to 3 m/sec END
WIND DIRECTION	START NW. END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

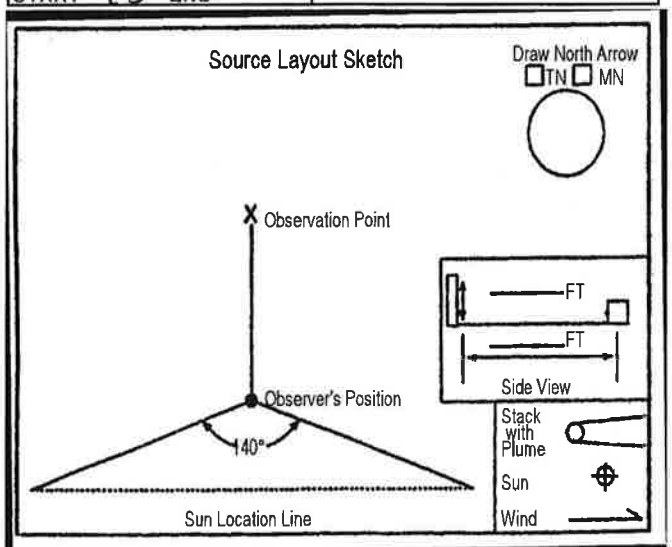
OBSERVATION DATE	START TIME	END TIME
1/6/13	1945	2015

MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	No loading
2	5	5	5	5	Rising
3	5	5	5	5	Flames
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	
8	5	5	5	5	
9	5	5	5	5	
10	5	5	5	5	No loading.
11	5	5	5	5	Rising Flames
12	5	5	5	5	
13	5	5	5	5	
14	5	5	5	5	
15	5	5	5	5	
16	5	5	5	5	No loading
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	
21	5	5	5	5	
22	5	5	5	5	
23	5	5	5	5	
24	5	5	5	5	
25	5	5	5	5	
26	5	5	5	5	
27	5	5	5	5	No loading
28	5	5	5	5	
29	5	5	5	5	
30	5	5	5	5	

OBSERVER'S NAME (PRINT)	Jean G. Belitaire
OBSERVER'S SIGNATURE	[signature]
DATE	1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	
DATE	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett Field
LOCATION	
CITY	Brooklyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6 ft tall Container
HEIGHT OF EMISSION POINT	6' to 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START ~~WEST~~ END
DISTANCE TO EMISSION POINT	START 100' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START ~~WEST~~ END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting Plume END
EMISSION COLOR	START WHITE END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Smoke Lights. END
BACKGROUND COLOR	START END
SKY CONDITIONS	START NIGHT END
WIND SPEED	START 0 TO END 3
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45 °F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

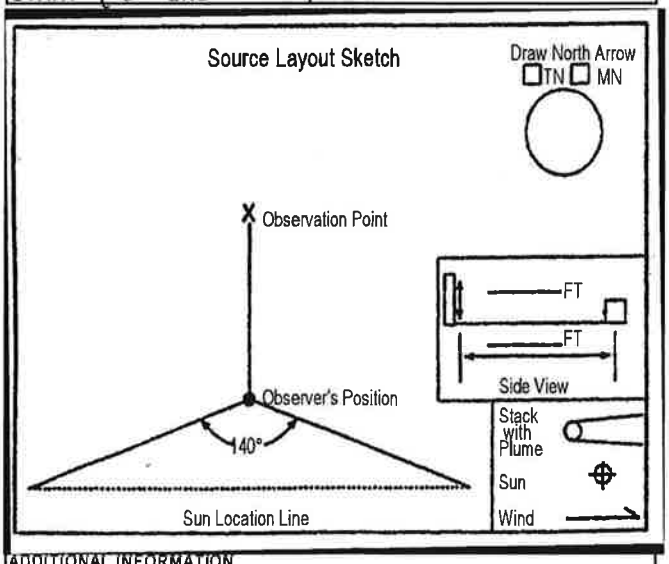
OBSERVATION DATE	START TIME	END TIME
1/6/13	2015	2045

MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	NO LOADING
2	5	5	5	5	
3	10	10	10	10	LOADING.
4	10	10	10	10	
5	5	5	5	5	
6	5	5	5	5	LOADING
7	10	10	10	5	
8	10	10	10	10	
9	5	5	5	10	
10	10	5	5	5	
11	5	5	5	5	
12	5	10	10	5	LOADING
13	5	5	5	5	
14	10	5	5	5	
15	5	5	5	5	
16	10	10	10	5	LOADING
17	10	10	10	10	
18	10	10	5	5	
19	5	5	5	5	
20	5	5	5	5	LOADING.
21	10	10	5	5	
22	5	5	5	5	
23	10	10	10	10	
24	5	5	5	5	
25	5	5	5	5	
26	10	5	5	5	
27	5	5	5	5	
28	5	5	10	10	
29	10	10	10	10	
30	10	10	10	10	

OBSERVER'S NAME (PRINT)	VERN G BELIZAIRE
OBSERVER'S SIGNATURE	DATE 1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett Field
LOCATION	
CITY	Brooklyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container
HEIGHT OF EMISSION POINT	6' to 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START END
DISTANCE TO EMISSION POINT	START 100' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START N E S END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Coffee Plume END
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction strobe lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 to 3 m/h END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

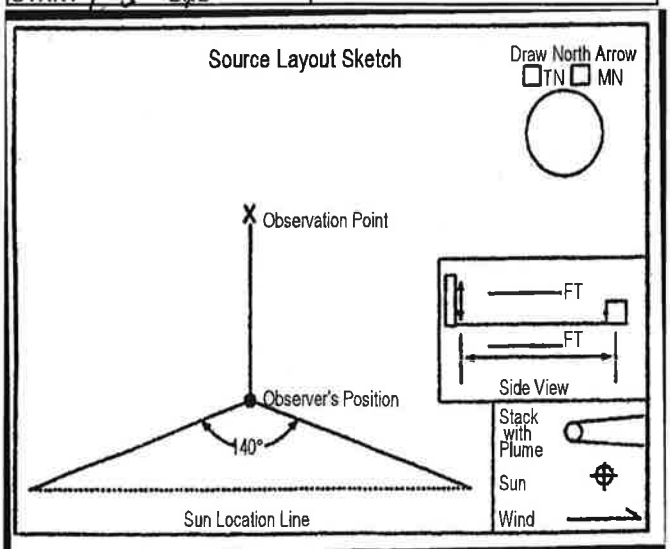
OBSERVATION DATE	START TIME	END TIME
1/6/13	2045	2215

MIN \ SEC	0	15	30	45	COMMENTS
1	5	5	5	5	Flames
2	5	5	5	5	
3	10	10	10	10	Loading
4	5	5	5	5	
5	5	5	5	5	
6	5	5	5	5	
7	5	5	5	5	No Loading
8	5	5	5	5	
9	5	5	5	5	Loading.
10	10	10	10	10	Flames
11	5	5	5	5	
12	10	10	5	5	
13	5	5	5	5	Loading
14	5	5	5	5	
15	5	5	5	5	
16	10	10	5	5	
17	10	5	5	10	
18	5	5	5	5	
19	10	10	10	10	Loading
20	5	5	5	5	No Loading
21	10	5	5	5	
22	5	5	5	5	
23	5	5	5	5	
24	5	5	5	5	
25	10	10	5	5	
26	10	5	10	10	Stirring
27	10	10	10	10	Loading.
28	15	15	15	15	
29	15	10	10	10	
30	15	10	10	5	

OBSERVER'S NAME (PRINT)	JEAN G. BELIZAIRE
OBSERVER'S SIGNATURE	[signature]
DATE	1/6/13
ORGANIZATION	NYCDEP
CERTIFIED BY	
DATE	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett Fields
LOCATION	
CITY	Brooklyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container
HEIGHT OF EMISSION POINT	6' To 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START West END
DISTANCE TO EMISSION POINT	START 100 Ft END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START West END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting Plume END
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Strobe Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 To 3 END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

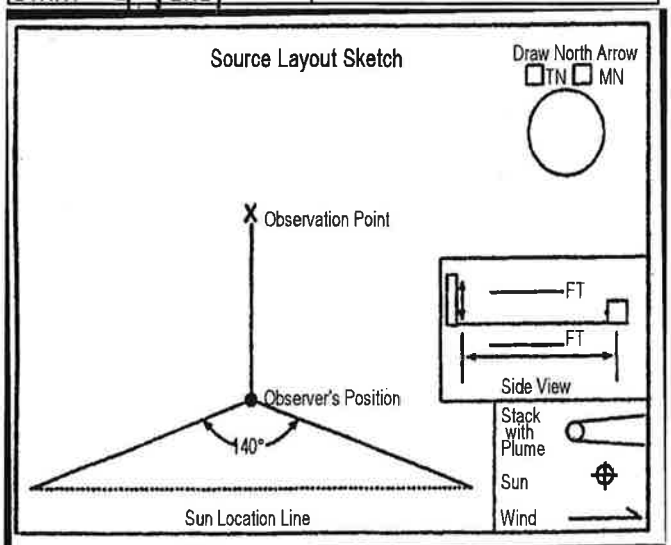
OBSERVATION DATE	START TIME	END TIME
1/6/13	2115	2145

MIN \ SEC	0	15	30	45	COMMENTS
1	10	15	15	15	Loading
2	15	10	10	15	
3	15	15	15	15	
4	10	10	15	15	
5	10	15	10	15	
6	10	10	15	10	
7	15	15	15	15	
8	10	10	10	15	
9	15	10	10	10	
10	10	15	10	15	
11	15	10	15	10	Loading
12	10	15	15	10	
13	10	10	15	15	
14	15	15	15	15	
15	10	10	15	15	
16	15	15	10	10	
17	15	15	10	10	
18	10	10	10	10	Loading
19	10	10	5	5	
20	5	5	5	5	
21	10	5	5	10	
22	5	5	5	5	
23	5	5	5	5	
24	5	5	5	5	Loading
25	10	10	10	10	
26	10	10	10	10	
27	10	10	10	15	
28	15	10	5	5	No Loading
29	5	5	5	5	
30	5	5	5	10	Loading

OBSERVER'S NAME (PRINT)	Dean G. Belizaire
OBSERVER'S SIGNATURE	[signature]
DATE	1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	
DATE	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett
LOCATION	Field
CITY / STATE / ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container.
HEIGHT OF EMISSION POINT	6' to 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START West END
DISTANCE TO EMISSION POINT	START 100' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START West END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting Plume END
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Continuous Strobe Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 to 3 END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP / RH percent	



ADDITIONAL INFORMATION

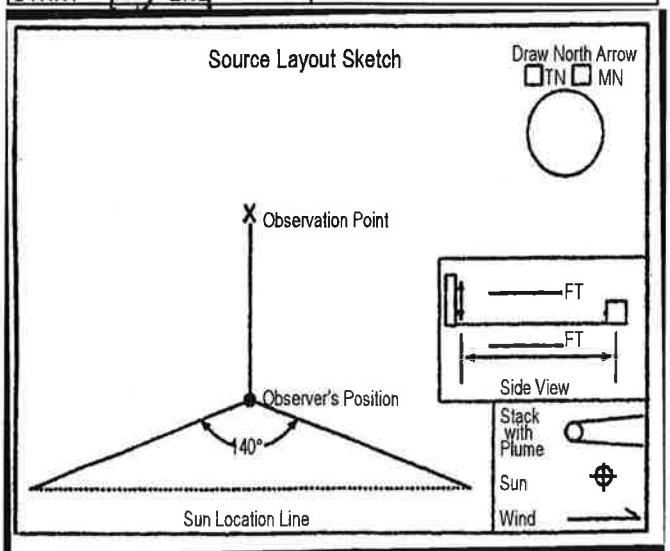
OBSERVATION DATE	START TIME	END TIME
1/6/13	2145	2215

MIN \ SEC	0	15	30	45	COMMENTS
1	10	10	10	10	Loading
2	5	5	10	5	
3	5	5	5	5	
4	10	10	5	5	
5	10	5	5	5	
6	5	10	10	10	
7	10	10	10	10	Loading
8	10	10	10	10	
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	10	10	10	10	No Loading
13	10	10	10	10	
14	10	10	10	10	
15	10	10	10	10	
16	15	10	10	10	
17	10	10	10	10	Loading
18	10	10	10	10	
19	15	10	10	10	
20	10	15	10	10	
21	10	15	10	15	
22	10	10	10	10	
23	10	10	15	10	
24	10	15	10	10	
25	10	10	10	10	
26	10	10	10	10	
27	10	15	10	10	Loading
28	15	15	15	15	
29	15	15	15	15	
30	15	15	15	15	

OBSERVER'S NAME (PRINT)	JOAN G. BELZARI
OBSERVER'S SIGNATURE	DATE 1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECL
LOCATION	Floyd Bennett Field
LOCATION	
CITY	Bklyn
STATE	NY.
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container
HEIGHT OF EMISSION POINT	6' to 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START WEST END
DISTANCE TO EMISSION POINT	START 100' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START West END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting END Plum
EMISSION COLOR	START WHITE END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Shore Line END
BACKGROUND COLOR	START END
SKY CONDITIONS	START NIGHT END
WIND SPEED	START 0 to 3' END
WIND DIRECTION	START END
AMBIENT TEMP	START 45° F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

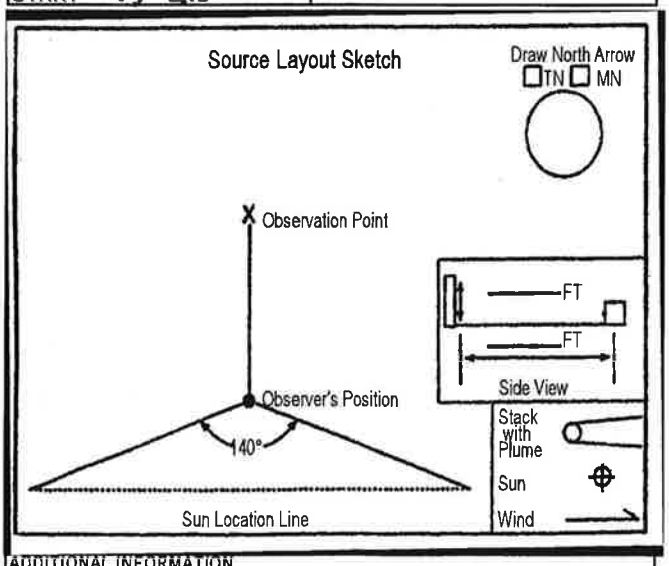
OBSERVATION DATE	START TIME	END TIME
1/6/13	2215	2245

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

OBSERVER'S NAME (PRINT)	John G Benjamin
OBSERVER'S SIGNATURE	DATE 1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett
LOCATION	Field
CITY	Bkyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectagular 6' Tall Container
HEIGHT OF EMISSION POINT	6' To 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START West END
DISTANCE TO EMISSION POINT	START 100' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START West END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting Plume END
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Strobe Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 To 3 m/s END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

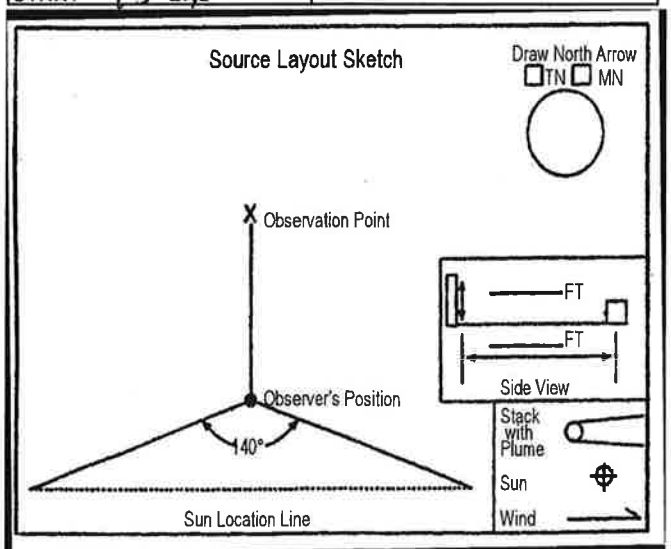
OBSERVATION DATE	START TIME	END TIME
1/6/13	2245	2315

MIN \ SEC	0	15	30	45	COMMENTS
1	15	15	15	15	Loading
2	15	10	10	10	
3	10	10	10	10	
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	Loading.
8	15	15	15	15	Flames
9	10	10	10	10	
10	10	10	10	10	
11	10	10	10	10	
12	5	5	5	5	Flames
13	5	5	5	5	No Loading
14	10	5	5	5	
15	5	5	5	5	
16	5	5	5	5	
17	5	5	5	5	
18	5	5	5	5	
19	5	5	5	5	
20	5	5	5	5	No Loading
21	5	5	5	5	
22	10	10	5	5	
23	10	10	5	5	
24	5	5	10	10	Loading
25	15	15	10	10	
26	10	10	10	10	
27	10	5	5	5	No Loading
28	10	10	10	10	Loading
29	10	10	10	10	
30	10	10	10	10	

OBSERVER'S NAME (PRINT)	Veau G Belizaire
OBSERVER'S SIGNATURE	[signature]
DATE	1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	
DATE	

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett
LOCATION	Fields
CITY	Bklyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container
HEIGHT OF EMISSION POINT	6' To 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START END
DISTANCE TO EMISSION POINT	START 100' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START ~~WEST~~ END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START ~~WEST~~ END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting END Plum
EMISSION COLOR	START WHITE END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Smoke Lights END
BACKGROUND COLOR	START END
SKY CONDITIONS	START NIGHT END
WIND SPEED	START 0 To END 3 m/H
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

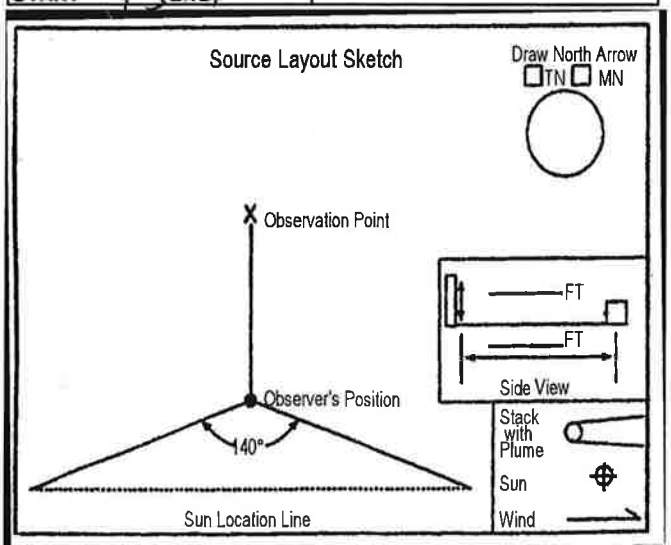
OBSERVATION DATE	START TIME	END TIME
1/6/13	2315	2345

MIN \ SEC	0	15	30	45	COMMENTS
1	10	10	10	10	LOADING
2	10	10	10	10	NO LOADING
3	10	10	5	5	
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	NO LOADING
9	10	10	10	10	
10	10	10	10	10	
11	15	15	15	15	
12	15	15	15	15	
13	15	15	15	15	
14	15	15	15	15	NO LOADING
15	15	15	15	15	
16	10	10	15	10	
17	10	10	10	10	
18	10	10	10	10	
19	10	10	10	10	
20	10	10	10	10	NO LOADING
21	10	10	10	10	
22	10	15	15	15	
23	15	10	10	10	
24	15	15	10	10	
25	10	15	10	15	
26	10	10	10	15	
27	10	15	10	10	
28	10	15	10	10	
29	10	10	10	10	
30	15	15	10	10	

OBSERVER'S NAME (PRINT)	JEAN G. BELZAIRE
OBSERVER'S SIGNATURE	DATE 1/6/13.
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE

EPA METHOD 9 (40 CFR 60 - Appendix A)
VISIBLE EMISSION OBSERVATION FORM

COMPANY NAME	ECC
LOCATION	Floyd Bennett
LOCATION	Field
CITY	Bklyn
STATE	NY
ZIP	
PROCESS EQUIPMENT	Air Curtain Incinerator
OPERATING MODE	
CONTROL EQUIPMENT	
OPERATING MODE	
DESCRIBE EMISSION POINT	Rectangular 6' Tall Container
HEIGHT OF EMISSION POINT	6' to 7'
HEIGHT OF EMISSION POINT RELATIVE TO OBSERVER	START END
DISTANCE TO EMISSION POINT	START 120' END
DIRECTION TO EMISSION PT. (DEGREES (0-360))	START END
VERTICAL ANGLE TO OBSERVATION POINT	START END
DIRECTION TO OBSERVATION POINT (DEGREES (0-360))	START West END
DISTANCE & DIRECTION TO OBSERVATION POINT FROM EMISSION POINT	START END
DESCRIBE EMISSIONS	START Lofting Plume END
EMISSION COLOR	START White END
WATER DROPLET PLUME	ATTACHED ☐ DETACHED ☐ NONE ☐
DESCRIBE PLUME BACKGROUND	START Construction Shoreline END
BACKGROUND COLOR	START END
SKY CONDITIONS	START Night END
WIND SPEED	START 0 to 3 END
WIND DIRECTION	START NW END
AMBIENT TEMP	START 45°F END
WET BULB TEMP	RH percent



ADDITIONAL INFORMATION

OBSERVATION DATE	START TIME	END TIME
1/6/13	2345	0015

MIN \ SEC	0	15	30	45	COMMENTS
1	15	15	15	20	Loading.
2	20	20	20	15	
3	15	10	10	10	
4	10	10	10	10	
5	10	10	10	10	
6	10	10	10	10	
7	10	10	10	10	
8	10	10	10	10	Loading.
9	20	20	10	10	
10	10	15	15	10	
11	15	15	15	15	
12	10	10	15	15	
13	15	10	15	10	
14	15	15	10	10	
15	10	10	15	10	Flames
16	10	10	10	10	Loading
17	5	5	5	5	
18	5	5	5	5	
19	5	10	10	10	
20	15	15	10	10	
21	10	10	10	10	
22	10	10	10	10	
23	10	10	15	15	
24	10	10	15	15	
25	10	15	15	10	Loading
26	10	10	5	5	&
27	5	5	5	5	no Loading
28	5	5	10	10	Loading
29	5	5	10	10	
30	10	10	10	10	

OBSERVER'S NAME (PRINT)	John G. Belzaire
OBSERVER'S SIGNATURE	[signature] DATE 1/6/13
ORGANIZATION	NYC DEP
CERTIFIED BY	DATE