Fri. Early Morning, January 25th, 2013

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

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 1
Date of Observation	01/25/2013
Start Time	0000
Stop Time	0346
Distance from observer (ft)	150'
Direction from observer	E
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 crew lengths
target?	sky
describe background to plume	sky
unique features of plume or stack	—
Weather:	@1600 @0000
ambient temperature (F)	16°
relative humidity	40%
wind direction	SE
wind speed	6-8mph
barometric pressure	30.40 inHg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

sec	0	15	30	45
Run 1 Time: 0000				
1	0	0	0	0
2	0	0	0	0
3	5	0	0	0
4	0	0	0	0
5	0	0	5	0
6	0	0	0	0
6-minute Average: 0.4				
Source Conditions:				
Sun Angle (degrees):				
Run 2 Time: 0026				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	5
4	0	0	0	0
5	5	0	0	0
6	0	0	0	0
6-minute Average: 0.4				
Source Conditions:				
Sun Angle (degrees):				
Run 3 Time: 0052				
1	0	5	0	0
2	0	0	0	0
3	0	0	0	0
4	5	0	0	0
5	0	0	5	5
6	0	0	0	0
6-minute Average: 0.8				
Source Conditions:				
Sun Angle (degrees):				
Run 4 Time: 0118				
1	0	0	0	5
2	0	0	0	0
3	0	0	0	5
4	0	0	0	0
5	0	0	5	0
6	0	0	0	0
6-minute Average: 0.6				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 5 Time: 0144				
1	0	0	0	5
2	0	0	5	0
3	0	0	0	0
4	5	0	0	5
5	0	0	0	0
6	0	0	0	5
6-minute Average: 1.0				
Source Conditions:				
Sun Angle (degrees):				
Run 6 Time: 0210				
1	0	0	0	5
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0.2				
Source Conditions:				
Sun Angle (degrees):				
Run 7 Time: 0314				
1	5	5	5	5
2	5	5	5	5
3	5	5	5	5
4	5	5	5	5
5	0	0	0	0
6	0	0	0	0
6-minute Average: 3.4				
Source Conditions:				
Sun Angle (degrees):				
Run 8 Time: 0340				
1	0	0	0	5
2	0	0	0	0
3	0	5	0	0
4	0	0	0	0
5	5	0	0	0
6	0	0	5	0
6-minute Average: 0.8				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Fri. Early Morning, January 25th, 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 1
Date of Observation	01/25/2013
Start Time	0406
Stop Time	0550
Distance from observer (ft)	150'
Direction from observer	E
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 crack lengths
target?	sky
describe background to plume	sky
unique features of plume or stack	—
Weather:	@406
ambient temperature (F)	14°
relative humidity	48%
wind direction	SE
wind speed	6 mph
barometric pressure	30.42 in Hg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

note: burner seems to be much more efficient when ash is cleaned out more often.

Run Number(s) and Description: ACB1 9-13

sec	0	15	30	45
Run 9 Time: 0406				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 10 Time: 0432				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 11 Time: 0458				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 12 Time: 0524				
1	0	0	0	5
2	0	0	0	0
3	0	5	0	0
4	0	0	5	0
5	0	0	0	0
6	0	5	0	0
6-minute Average: 0.8				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 13 Time: 0544				
1	5	5	0	0
2	0	0	0	5
3	0	0	0	0
4	5	5	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 1.0				
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):				
Run Time:				
1				
2				
3				
4				
5				
6				
6-minute Average:				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

FRIDAY MORNING – JANUARY 25, 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 1
Date of Observation	1/25/2013
Start Time	0700
Stop Time	1008
Distance from observer (ft)	150'
Direction from observer	N
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27' x 9'
Description of plume:	
continuous? fugitive? intermittent?	CONTINUOUS
color	WHITE
water drops present? (Y/N)	No
attached steam plume? (Y/N)	No
detached steam plume? (Y/N)	No
secondary plume? (Y/N)	No
point where opacity read	1-3 CONEX LENGTHS
target?	SKY
describe background to plume	SKY
unique features of plume or stack	—
Weather:	
ambient temperature (F)	14 °F
relative humidity	45 %
wind direction	NW
wind speed	5-10 mph
barometric pressure	30.29 in
rain? fog? snow? haze?	partly cloudy & clear
Glasses worn:	
corrective? (Y/N)	No
sunglasses? (Y/N)	No

Observer's name	AARON T. JOHNSON
Observer certification date	1/6/2013
Certifying agency	WHITLOW ENTERPRISES
Observer affiliation	AVOGADRO ENV. CORP.

* LITTLE TO NO OPACITY EARLY THIS MORNING (>5%)
↳ BOTH ACB #1 & #2 BURNING HOT

Run Number(s) and Description

ACB 1 – RUNS # 14 – 21

sec	0	15	30	45
min.	Run 14 Time: 0700			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 15 Time: 0717			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 16 Time: 0734			
1	5	5	0	5
2	0	5	5	0
3	0	0	5	5
4	5	5	5	0
5	5	0	5	0
6	0	5	5	0
6-minute Average:	2.92			
Source Conditions:				
Sun Angle (degrees):				
	Run 17 Time: 0751			
1	5	0	5	0
2	0	5	5	5
3	0	5	0	0
4	5	0	5	0
5	5	5	5	0
6	0	0	5	0
6-minute Average:	2.5			
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
min.	Run 18 Time: 0736			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 19 Time: 0803			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 20 Time: 0819			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 21 Time: 0836			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

FRIDAY AFTERNOON - JANUARY 25, 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 1
Date of Observation	1/25/2013
Start Time	1028
Stop Time	1336
Distance from observer (ft)	150'
Direction from observer	NE
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27' x 9'
Description of plume:	
continuous? fugitive? intermittent?	CONTINUOUS
color	WHITE
water drops present? (Y/N)	No
attached steam plume? (Y/N)	No
detached steam plume? (Y/N)	No
secondary plume? (Y/N)	No
point where opacity read	1-3 CONEX LENGTHS
target?	SKY
describe background to plume	SKY
unique features of plume or stack	—
Weather:	
ambient temperature (F)	23 °F
relative humidity	32 %
wind direction	NW
wind speed	5 mph
barometric pressure	30.34 in
rain? fog? snow? haze?	partly cloudy & clear
Glasses worn:	
corrective? (Y/N)	No
sunglasses? (Y/N)	No

Observer's name	AARON T. JOHNSON
Observer certification date	1/6/2013
Certifying agency	WHITLOW ENTERPRISES
Observer affiliation	AVOGADRO ENV. CORP.

Run Number(s) and Description: ACB 1 - RUNS # 22 - 29

sec	0	15	30	45
min. Run 22 Time: 1003				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 23 Time: 1130				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 24 Time: 1214				
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	5	5	5	5
6-minute Average: 5				
Source Conditions:				
Sun Angle (degrees):				
Run 25 Time: 1304				
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	5	5	5	5
6-minute Average: 5				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
min. Run 26 Time: 1054				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	5	5	0
5	5	5	5	0
6	5	0	0	5
6-minute Average: 1.46				
Source Conditions:				
Sun Angle (degrees):				
Run 27 Time: 1146				
1	0	5	0	0
2	5	0	5	0
3	0	5	5	5
4	5	5	0	0
5	5	0	0	0
6	5	5	5	0
6-minute Average: 2.50				
Source Conditions:				
Sun Angle (degrees):				
Run 28 Time: 1234				
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	5	5	5	5
6-minute Average: 5				
Source Conditions:				
Sun Angle (degrees):				
Run 29 Time: 1330				
1	5	0	5	0
2	5	5	0	5
3	0	0	0	5
4	5	0	5	5
5	0	5	5	5
6	5	5	5	5
6-minute Average: 3.33				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

FRIDAY EVENING - JANUARY 25, 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 1
Date of Observation	1/25/2013
Start Time	1356
Stop Time	1704
Distance from observer (ft)	150'
Direction from observer	E
Stack height (fr. observer's elev.) (ft)	9'
Stack Diameter (in)	27' x 9'
Description of plume:	
continuous? fugitive? intermittent?	CONTINUOUS
color	WHITE
water drops present? (Y/N)	No
attached steam plume? (Y/N)	No
detached steam plume? (Y/N)	No
secondary plume? (Y/N)	No
point where opacity read	1-3 CONEX LENGTHS
target?	SKY
describe background to plume	SKY
unique features of plume or stack	—
Weather:	
ambient temperature (F)	24 °F
relative humidity	31 %
wind direction	S
wind speed	0-5 mph
barometric pressure	30.31 in
rain? fog? snow? haze?	partly cloudy & clear
Glasses worn:	
corrective? (Y/N)	No
sunglasses? (Y/N)	No

Observer's name	AARON T. JOHNSON
Observer certification date	1/6/2013
Certifying agency	WHITLOW ENTERPRISES
Observer affiliation	AVOGADRO ENV. CORP.

@ 1448 - ADDED DEBRIS, CAUSING SLIGHTLY HIGHER OPACITY ON ACB1

Run Number(s) and Description: ACB 1 - RUNS # 36 - 37

sec	0	15	30	45
Run 36 Time: 1306				
1	0	0	0	0
2	5	0	0	0
3	0	5	5	0
4	5	0	0	0
5	5	5	0	0
6	0	5	0	5
6-minute Average:	1.67			
Source Conditions:				
Sun Angle (degrees):				
Run 37 Time: 1318				
1	10	5	10	10
2	10	10	10	10
3	5	10	10	10
4	10	10	5	5
5	10	10	10	5
6	5	5	10	5
6-minute Average:	8.33			
Source Conditions:				
Sun Angle (degrees):				
Run 38 Time: 1540				
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				
Run 39 Time: 1608				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 40 Time: 1438				
1	0	5	0	0
2	0	5	0	0
3	5	0	5	0
4	0	0	0	5
5	0	5	5	0
6	0	0	0	5
6-minute Average:	1.67			
Source Conditions:				
Sun Angle (degrees):				
Run 41 Time: 1554				
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				
Run 42 Time: 1606				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
Run 43 Time: 1628				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
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

Friday Night, January 25th, 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 1
Date of Observation	01/25/2013
Start Time	1940
Stop Time	2252
Distance from observer (ft)	150'
Direction from observer	E
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 cover lengths
target?	sky
describe background to plume	sky
unique features of plume or stack	—
Weather:	@1930
ambient temperature (F)	21°
relative humidity	85%
wind direction	SE
wind speed	3-6mph
barometric pressure	30.13 in Hg
rain? fog? snow? haze?	light snow/fog cease @ 9pm
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

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

sec	0	15	30	45
Run 1 Time: 1940				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 2 Time: 2010				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 3 Time: 2036				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	5	5	5	5
6	5	5	5	5
6-minute Average: 1.6				
Source Conditions:				
Sun Angle (degrees):				
Run 4 Time: 2102				
1	0	0	5	0
2	0	0	5	0
3	0	5	0	0
4	0	0	5	0
5	0	0	0	5
6	0	0	5	0
6-minute Average: 1.2				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 5 Time: 2128				
1	0	0	5	0
2	0	5	0	0
3	5	0	0	5
4	0	5	5	0
5	0	0	5	0
6	0	5	0	0
6-minute Average: 1.6				
Source Conditions:				
Sun Angle (degrees):				
Run 6 Time: 2154				
1	0	0	0	5
2	5	5	0	0
3	0	5	0	0
4	5	0	0	5
5	0	5	0	0
6	5	0	0	0
6-minute Average: 1.6				
Source Conditions:				
Sun Angle (degrees):				
Run 7 Time: 2220				
1	0	0	5	0
2	0	5	0	0
3	0	5	0	0
4	5	0	0	0
5	0	0	0	5
6	0	0	0	0
6-minute Average: 1.0				
Source Conditions:				
Sun Angle (degrees):				
Run 8 Time: 2246				
1	0	0	0	0
2	0	0	5	0
3	0	0	0	0
4	5	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0.4				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Fri. Night, January 25th, 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 1
Date of Observation	01/25/2013
Start Time	2312
Stop Time	2344
Distance from observer (ft)	150'
Direction from observer	E
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
unique features of plume or stack	—
Weather:	@2310
ambient temperature (F)	20°
relative humidity	74%
wind direction	SE
wind speed	3-6mph
barometric pressure	30.08inHg
rain? fog? snow? haze?	Clear
Glasses worn:	
corrective? (Y/N)	yes
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

ACB 1 Runs 9-10

sec	0	15	30	45	sec	0	15	30	45
min	Run 9 Time: 2312				min	Run ___ Time:			
1	0	0	5	0	1				
2	0	0	5	0	2				
3	0	0	0	0	3				
4	5	0	0	0	4				
5	0	0	0	5	5				
6	0	5	0	0	6				
6-minute Average:	1.0				6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run 10 Time: 2338					Run ___ Time:			
1	0	0	5	5	1				
2	0	5	0	5	2				
3	5	0	0	5	3				
4	0	5	5	0	4				
5	5	0	5	0	5				
6	5	0	5	0	6				
6-minute Average:	2.5				6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run ___ Time:					Run ___ Time:			
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
6-minute Average:					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run ___ Time:					Run ___ Time:			
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
6-minute Average:					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Fri. Early Morning, January 25th, 2013

Run Number(s) and Description: ACB 2 Runs 1-8

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 2
Date of Observation	01/25/2013
Start Time	0000
Stop Time	0346
Distance from observer (ft)	150'
Direction from observer	E
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
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 canes lengths
target?	sky
describe background to plume	sky
unique features of plume or stack	—
Weather:	@0000
ambient temperature (F)	16°
relative humidity	40%
wind direction	SE
wind speed	6-8 mph
barometric pressure	30.40 inHg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

sec	0	15	30	45
Run 1 Time: 0000				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 2 Time: 0026				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	5	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0.2				
Source Conditions:				
Sun Angle (degrees):				
Run 3 Time: 0052				
1	0	0	0	5
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	5
6-minute Average: 0.4				
Source Conditions:				
Sun Angle (degrees):				
Run 4 Time: 0118				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 5 Time: 0144				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 6 Time: 0210				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 7 Time: 0314				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 8 Time: 0340				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	5	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0.2				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Fri. Early Morning, January 25th, 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 2
Date of Observation	01/25/2013
Start Time	0406
Stop Time	0550
Distance from observer (ft)	150'
Direction from observer	E
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
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:	@0406
ambient temperature (F)	14°
relative humidity	48%
wind direction	SE
wind speed	6-8mph
barometric pressure	30.42inHg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

Run Number(s) and Description: ACB 2 Runs 9-13

sec	0	15	30	45
Run 9 Time: 0406				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 10 Time: 0432				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 11 Time: 0458				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 12 Time: 0524				
1	0	0	0	0
2	0	0	0	0
3	0	5	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0.2				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 13 Time: 0544				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
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):				
Run Time:				
1				
2				
3				
4				
5				
6				
6-minute Average:				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

FRIDAY MORNING – JANUARY 25, 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 2
Date of Observation	1/25/2013
Start Time	0700
Stop Time	1008
Distance from observer (ft)	150'
Direction from observer	N
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
Description of plume:	
continuous? fugitive? intermittent?	CONTINUOUS
color	WHITE
water drops present? (Y/N)	No
attached steam plume? (Y/N)	No
detached steam plume? (Y/N)	No
secondary plume? (Y/N)	No
point where opacity read	1-3 CONEX LENGTHS
target?	SKY
describe background to plume	SKY
unique features of plume or stack	—
Weather:	
ambient temperature (F)	14 °F
relative humidity	45 %
wind direction	NW
wind speed	5-10 mph
barometric pressure	30.29 in
rain? fog? snow? haze?	partly cloudy & clear
Glasses worn:	
corrective? (Y/N)	No
sunglasses? (Y/N)	No

Observer's name	AARON T. JOHNSON
Observer certification date	1/6/2013
Certifying agency	WHITLOW ENTERPRISES
Observer affiliation	AVOGADRO ENV. CORP.

* ACB 1 & 2 BURNING VERY HOT EARLY MORNING – (0-5% opacity)

Run Number(s) and Description

ACB 2 – RUNS # 14 – 21

sec	0	15	30	45	sec	0	15	30	45
min.	Run 14 Time: 0700				min.	Run 15 Time: 0736			
1	0	0	0	0	1	0	0	0	0
2	0	0	0	0	2	0	0	0	0
3	0	0	0	0	3	0	0	0	6
4	0	0	0	0	4	0	0	0	0
5	0	0	0	0	5	0	0	0	0
6	0	0	0	0	6	0	0	0	0
6-minute Average:	0				6-minute Average:	0			
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run 16 Time: 0756					Run 17 Time: 0816			
1	0	0	0	0	1	0	0	0	0
2	0	0	0	0	2	0	0	0	0
3	0	0	0	0	3	0	0	0	0
4	0	0	0	0	4	0	0	0	0
5	0	0	0	0	5	0	0	0	0
6	0	0	0	0	6	0	0	0	0
6-minute Average:	0				6-minute Average:	0			
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run 18 Time: 0836					Run 19 Time: 0856			
1	0	5	0	5	1	0	0	0	0
2	5	0	0	5	2	0	0	0	0
3	5	5	0	0	3	0	0	0	0
4	5	0	5	5	4	0	0	0	0
5	5	0	5	0	5	0	0	0	0
6	5	5	5	5	6	0	0	0	0
6-minute Average:	3.13				6-minute Average:	0			
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run 20 Time: 0916					Run 21 Time: 1000			
1	5	5	5	5	1	0	0	0	0
2	5	5	5	5	2	0	0	0	0
3	5	5	5	5	3	0	0	0	0
4	5	5	5	5	4	0	0	0	0
5	5	5	5	5	5	0	0	0	0
6	5	5	5	5	6	0	0	0	0
6-minute Average:	5				6-minute Average:	0			
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

FRIDAY AFTERNOON – JANUARY 25, 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 2
Date of Observation	1/25/2013
Start Time	1028
Stop Time	1336
Distance from observer (ft)	150'
Direction from observer	NE
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
Description of plume:	
continuous? fugitive? intermittent?	CONTINUOUS
color	WHITE
water drops present? (Y/N)	No
attached steam plume? (Y/N)	No
detached steam plume? (Y/N)	No
secondary plume? (Y/N)	No
point where opacity read	1-3 CONEX LENGTHS
target?	SKY
describe background to plume	SKY
unique features of plume or stack	—
Weather:	
ambient temperature (F)	23 °F
relative humidity	32 %
wind direction	NW
wind speed	5 mph
barometric pressure	30.34 in
rain? fog? snow? haze?	partly cloudy & clear
Glasses worn:	
corrective? (Y/N)	No
sunglasses? (Y/N)	No

Observer's name	AARON T. JOHNSON
Observer certification date	1/6/2013
Certifying agency	WHITLOW ENTERPRISES
Observer affiliation	AVOGADRO ENV. CORP.

Run Number(s) and Description: ACB 2 – RUNS # 22 – 29

sec	0	15	30	45
min. Run 22 Time: 1028				
1	5	0	0	5
2	0	5	5	0
3	5	0	5	5
4	0	0	5	5
5	5	5	0	0
6	0	5	5	0
6-minute Average: 2.71				
Source Conditions:				
Sun Angle (degrees):				
Run 23 Time: 1040				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 24 Time: 1213				
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	5	5	5	5
6-minute Average: 5				
Source Conditions:				
Sun Angle (degrees):				
Run 25 Time: 1301				
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	5	5	5	5
6-minute Average: 5				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
min. Run 26 Time: 1054				
1	0	5	5	0
2	5	0	0	0
3	5	5	5	0
4	5	0	5	5
5	0	0	5	0
6	0	0	5	0
6-minute Average: 2.29				
Source Conditions:				
Sun Angle (degrees):				
Run 27 Time: 1118				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 28 Time: 1228				
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	5	5	5	5
6-minute Average: 5				
Source Conditions:				
Sun Angle (degrees):				
Run 29 Time: 1330				
1	5	5	5	0
2	5	5	0	0
3	5	0	5	0
4	5	5	0	5
5	5	5	0	0
6	0	5	5	5
6-minute Average: 3.13				
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

FRIDAY EVENING - JANUARY 25, 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 2
Date of Observation	1/25/2013
Start Time	1356
Stop Time	1704
Distance from observer (ft)	150'
Direction from observer	E
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
Description of plume:	
continuous? fugitive? intermittent?	CONTINUOUS
color	WHITE
water drops present? (Y/N)	No
attached steam plume? (Y/N)	No
detached steam plume? (Y/N)	No
secondary plume? (Y/N)	No
point where opacity read	1-3 CONEX LENGTHS
target?	SKY
describe background to plume	SKY
unique features of plume or stack	—
Weather:	
ambient temperature (F)	24 °F
relative humidity	31 %
wind direction	S
wind speed	0-5 mph
barometric pressure	30.31 in
rain? fog? snow? haze?	partly cloudy & clear
Glasses worn:	
corrective? (Y/N)	No
sunglasses? (Y/N)	No

Observer's name	AARON T. JOHNSON
Observer certification date	1/6/2013
Certifying agency	WHITLOW ENTERPRISES
Observer affiliation	AVOGADRO ENV. CORP.

Run Number(s) and Description

ACB 2 - RUNS # 30 - 37

sec	0	15	30	45
min	Run 30 Time: 1356			
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				
	Run 31 Time: 1423			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 32 Time: 1540			
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				
	Run 33 Time: 1633			
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
min	Run 34 Time: 1743			
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				
	Run 35 Time: 1811			
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				
	Run 36 Time: 1928			
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average:	0			
Source Conditions:				
Sun Angle (degrees):				
	Run 37 Time: 1658			
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	5	5	5	5
6-minute Average:	5			
Source Conditions:				
Sun Angle (degrees):				

Range of opacity readings:

low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa

Fri. Night, January 25th, 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 2
Date of Observation	01/25/2013
Start Time	1940
Stop Time	2252
Distance from observer (ft)	150'
Direction from observer	E
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
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:	@1930
ambient temperature (F)	21°
relative humidity	85%
wind direction	SE
wind speed	3-6mph
barometric pressure	30.13 in Hg
rain? fog? snow? haze?	light snow/fog cease @ 9pm
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

Run Number(s) and Description: ACB 2 Runs 1-8

sec	0	15	30	45
Run 1 Time: 1940				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 2 Time: 2010				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 3 Time: 2036				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 4 Time: 2107				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				

sec	0	15	30	45
Run 5 Time: 2128				
1	0	0	0	0
2	0	0	0	0
3	0	0	0	0
4	0	0	0	0
5	0	0	0	0
6	0	0	0	0
6-minute Average: 0				
Source Conditions:				
Sun Angle (degrees):				
Run 6 Time:				
1	0	0	0	5
2	0	0	0	0
3	5	0	0	0
4	5	0	0	0
5	0	0	0	0
6	0	5	0	0
6-minute Average: 0.8				
Source Conditions:				
Sun Angle (degrees):				
Run 7 Time: 2220				
1	0	0	0	0
2	0	0	0	5
3	0	0	0	0
4	0	0	0	0
5	0	5	0	0
6	0	0	0	0
6-minute Average: 0.4				
Source Conditions:				
Sun Angle (degrees):				
Run 8 Time: 2246				
1	0	0	0	0
2	0	0	0	0
3	5	5	5	5
4	5	5	5	5
5	10	10	10	10
6	10	10	10	10
6-minute Average: 5				
Source Conditions:				
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

Fri. Night, January 25th, 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 2
Date of Observation	01/25/2013
Start Time	2312
Stop Time	2344
Distance from observer (ft)	150'
Direction from observer	E
Stack height (fr. observer's elev.) (ft)	8'
Stack Diameter (in)	20' x 8'
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:	@2310
ambient temperature (F)	20°
relative humidity	74%
wind direction	SE
wind speed	3-6mph
barometric pressure	30.08 inHg
rain? fog? snow? haze?	clear
Glasses worn:	
corrective? (Y/N)	yes
sunglasses? (Y/N)	—

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

Run Number(s) and Description: ACB 2 Runs 9-10

sec	0	15	30	45	sec	0	15	30	45
min	Run 9 Time: 2312				min	Run Time:			
1	0	0	0	0	1				
2	0	0	0	0	2				
3	0	0	0	0	3				
4	0	0	0	0	4				
5	0	0	0	0	5				
6	0	0	0	0	6				
6-minute Average:	0				6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run 10 Time: 2338					Run Time:			
1	5	5	5	5	1				
2	0	5	5	5	2				
3	5	0	5	5	3				
4	5	0	5	5	4				
5	5	5	0	5	5				
6	5	5	5	0	6				
6-minute Average:	4.0				6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run Time:					Run Time:			
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
6-minute Average:					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				
	Run Time:					Run Time:			
1					1				
2					2				
3					3				
4					4				
5					5				
6					6				
6-minute Average:					6-minute Average:				
Source Conditions:					Source Conditions:				
Sun Angle (degrees):					Sun Angle (degrees):				

Range of opacity readings: low 0 high 5

Number of readings above 10 % were 0

Observer's Signature

AVOGADRO ENVIRONMENTAL CORPORATION, Easton Pa