

AG13-0001

NONMETALLIC MINERAL PROCESSING PLANT (CRUSHER)
AIR GENERAL PERMIT EXAMPLE REGISTRATION WORKSHEET

Facility Identification Number - If known (seven digit number)

7775758-001-AG

Registration Type

Check one:

INITIAL REGISTRATION - Notification of intent to:

- Construct and operate a proposed new facility.
- Operate an existing permitted facility not currently using an air general permit (e.g., a facility proposing to go from an air operation permit to an air general permit). If the facility currently holds one or more air operation permits, such permit(s) must be surrendered by the owner or operator upon the effective date of this air general permit. (See "Surrender of Existing Air Operation Permit(s)" below.)
- Operates an existing facility not currently permitted or using an air general permit.

RE-REGISTRATION (for facilities currently using an air general permit) - Notification of intent to:

- Continue operating the facility after expiration of the current term of air general permit use.
- Continue operating the facility after a change of ownership.
- Make an equipment change requiring re-registration pursuant to Rule 62-210.310(2)(e), F.A.C.
- Any other change not considered an administrative correction under Rule 62-210.310(2)(d), F.A.C.

Surrender of Existing Air Operation Permit(s) - For Initial Registrations Only, if Applicable

All existing air operation permits for this facility are hereby surrendered upon the effective date of this air general permit; specifically permit number(s):

N/A

General Facility Information

Facility Owner/Company Name (Name of corporation, agency, or individual owner who or which owns, leases, operates, controls, or supervises the facility.)
Middlesex Asphalt, LLC

Site Name (Name, if any, of the facility site; e.g., Plant A, Metropolis Plant, etc. If more than one facility is owned, a complete registration must be submitted for each.)
Inertia 4048 Crusher

Facility Location (Physical location of the facility, not necessarily the mailing address.)

Street Address: 10705 Cosmonaut Blvd.

City: Orlando

County: Orange

Zip Code: 32824

Facility Start-Up Date (Estimated start-up date of proposed new facility.)(N/A for existing facility.)

FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
2013 JAN -7 PM 1:05
FINANCE & ACCOUNTING REVENUE

Facility Contact

Name and Position Title (Plant manager or person to be contacted regarding day-to-day operations at the facility.)

Print Name and Title: Mark Landry, Plant Manager

Facility Contact Telephone Numbers

Telephone: 407-206-0077 x 282

Fax: _____

Cell phone: _____

E-mail: mlandry@middlesexco.com

Facility Contact Mailing Address

Organization/Firm: Middlesex Asphalt, LLC

Mailing Address: 10801 Cosmonaut Blvd.

City: Orlando

County: Orange

Zip Code: 32824

Correspondence Contact/Representative (to serve as additional Department contact)

Name and Position Title

Print Name and Title: Mark Landry, Plant Manager

Correspondence Contact/Representative Telephone Numbers

Telephone: 407-206-0077 x 282

Fax: _____

Cell phone: _____

E-mail: mlandry@middlesexco.com

Correspondence Contact/Representative Mailing Address

Organization/Firm: Middlesex Asphalt, LLC

Mailing Address: 10801 Cosmonaut Blvd.

City: Orlando

County: Orange

Zip Code: 32824

Government Facility Code (check only one)

- Facility not owned or operated by a federal, state, or local government.
- Facility owned or operated by the federal government.
- Facility owned or operated by the state.
- Facility owned or operated by the county.
- Facility owned or operated by the municipality.
- Facility owned or operated by a water management district.

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Description of Facility

Below, or as an attachment to this worksheet, provide a description of the nonmetallic mineral processing plant operations at the facility in sufficient detail to demonstrate the facility's eligibility for use of this air general permit and to provide a basis for tracking any future equipment or process changes at the facility. Describe material(s) processed, all air pollutant-emitting processes, and identify any air pollution control measures used. Mobile source equipment information is not needed (eg.: trucks, bulldozers, front-end loaders, etc.)

The purpose of this application is to register for an initial AG permit for the Inertia 4048 RAP crusher. An AG is being requested for times the crusher is not located at the asphalt plant.

The facility meets the Eligibility Requirements specified in Rule 62-210.310(2), F.A.C.

The facility meets the fuel usage requirements specified in Rule 62-210.310(5)(e), F.A.C.

When equipment is not located at a mine or quarry, spray bars will be used at the feeder, entrance/exit of the crusher, screen, and conveyor drop points, per Rule 62-210.310(5)(e), F.A.C. Additional precautions used to prevent unconfined emissions is presented on Page 4 of this worksheet.

All affected equipment at the facility was manufactured Post-1983 and Post-2008; therefore, the affected facility is subject to 40 CFR 60, Subpart OOO. In addition, annual visible emissions compliance tests are prescribed in Rule 62-210.310(5)(e), F.A.C.

In addition, a copy of the visible emissions summary and field sheets for the crusher test conducted August 22, 2012 under Permit No. 0951259-010-AO is presented in Attachment 2.

Helpful Definitions:

"Capacity" – Per 40 CFR 60.671, the cumulative rated capacity of all initial crushers that are part of the plant.

"Department" or "DEP" - The State of Florida Department of Environmental Protection.

"Emissions Unit" - Any part or activity of a facility that emits or has the potential to emit any air pollutant.

"Facility" - All of the emissions units which are located on one or more contiguous or adjacent properties, and which are under the control of the same person (or persons under common control).

"Owner" or "Operator" - Any person or entity who or which owns, leases, operates, controls or supervises an emissions unit or facility.

"Nonmetallic Mineral Processing Plant" – Per 40 CFR 60.671, any combination of equipment that is used to crush or grind any nonmetallic mineral wherever located, including lime plants, power plants, steel mills, asphalt concrete plants, portland cement plants or any other facility processing nonmetallic minerals except as provided in 40 CFR §60.670 (b) and (c).

"Relocatable Facility" - A facility such as, but not limited to, an asphalt plant, portable power generator, or relocatable nonmetallic mineral processing plant, which is designed to be physically moved to, and operated on, different sites by being wholly or partially dismantled and re-erected in essentially the same configuration. It shall not be operable while in transit.

"Screening Operation" – Per 40 CFR 60.671, a device for separating material according to size by passing undersize material through one or more mesh surfaces (screens) in series and retaining oversize material on the mesh surfaces (screens). Grizzly feeders associated with truck dumping static (non-moving) grizzlies used anywhere in the nonmetallic mineral processing plant are not considered to be screening operations.

"Size" – Per 40 CFR 60.671, the rated capacity in tons per hour of a crusher, grinding mill, bucket elevator, bagging operation, or enclosed truck or railcar loading station; the total surface area of the top screen of a screening operation; the width of a conveyor belt; and the rated capacity in tons of a storage bin.

"Unconfined Emissions" - Emissions which escape and become airborne from unenclosed operations or which are emitted into the atmosphere without being conducted through a stack.

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FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

636-12-06
September 4, 2012



Florida Department of Environmental Protection – Receipts
3800 Commonwealth Blvd, MS-77
Tallahassee, Florida 32399

Re: Middlesex Asphalt, LLC
Orlando, Orange County, Florida
Request Initial Air General Permit (No ID)

To Whom It May Concern:

Please find enclosed an Air General Permit Worksheet and supporting attachments for the above referenced facility. In accordance with Rule 62-4.050, FAC, a **\$100** processing fee is enclosed. The worksheet requests for an initial air general permit for an Inertia Crusher. The crusher was recently tested under Permit No. 0951259-010-AO. An air general permit is being requested for times the crusher is not located at the asphalt plant

Please provide written confirmation of the coverage under the Air General Permit to Koogler and Associates, Inc.

Thank you for your assistance. If you require additional information or have any questions regarding this permit registration, please contact me at 352.377.5822 or vsgr@kooglerassociates.com.

Best Regards,

Veronica N. Sgro, P.E.
KOOGLER AND ASSOCIATES, INC.

Enclosure

Cc: Mr. Mark Landry – Middlesex Asphalt, LLC (via EMAIL)

/vns

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ENVIRONMENTAL PROTECTION
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**Middlesex Asphalt, LLC – Nonmetallic Mineral Processing Plant
 NEW Facility (No ID assigned)
 Attachment 1: Equipment List**

Affected Facilities Description

Affected Facility	Manufacturer	Date of Manufacture	Model Number	Identifier & Serial Number	Size (TPH, hp, kW, etc.)	Subject to 40 CFR Part 60, Subpart OOO	
						Yes	No
Primary Crusher(s)	Inertia	Post-2008	4048	Impact Crusher	300 TPH	X	<input type="checkbox"/>
Screening Operation(s)	Inertia	Post-2008	Inertia Spec Maker 6' x 18'	2 Deck Screen	108 FT ²	X	<input type="checkbox"/>
Belt Conveyor(s)	Inertia	Post-2008	4048	Crusher Underbelt	42 IN.	X	<input type="checkbox"/>
				Oversize	24 IN.	X	<input type="checkbox"/>
				Auxiliary	24 IN.	X	<input type="checkbox"/>
				Oversize Return	24 IN.	X	<input type="checkbox"/>
				Screen Underbelt	48 IN.	X	<input type="checkbox"/>
	Superior	2005		Stacker, SN 6137	30 IN.	X	<input type="checkbox"/>
Hopper	Inertia	Post-2008	4048		136 FT ²	<input type="checkbox"/>	X
Feeder	Inertia	Post-2008	4048	Vibrating Grizzly	64 FT ²	<input type="checkbox"/>	X
Engine	John Deere			Diesel	300 HP	<input type="checkbox"/>	X
Generator				480V-113 amp	125 KW	<input type="checkbox"/>	X
<p>Comments: The hopper and feeder are not subject to 40 CFR 60, Subpart OOO. Per 40 CFR 60.672(d), truck dumping of nonmetallic minerals into any screening operation, feed hopper, or crusher is exempt from the requirements of 40 CFR 60, Subpart OOO. The feeder is not considered a screening operation per 40 CFR 60.671.</p> <p>The engine and generator are not affected facility equipment per 40 CFR 60.670(a)(1).</p>							

**Middlesex Asphalt, LLC – Nonmetallic Mineral Processing Plant
NEW Facility (No ID assigned)
Attachment 2: Visible Emission Observation Summary and Field Sheets**

SOURCE NAME *Middlesex Asphalt LLC*

ADDRESS *10705 Cosmonaut Blvd.*

CITY *Orlando* **STATE** *FL* **ZIP** *32824*

PHONE *321-282-9870* **SOURCE ID NUMBER** *5 P-1*

PROCESS EQUIPMENT *Hessons 250 TPH* **OPERATING MODE** *250 TPH*

CONTROL EQUIPMENT *Hessons 250 TPH* **OPERATING MODE** *250 TPH*

DESCRIBE EMISSION POINT
START *Drop Point* **STOP** *same*

HEIGHT ABOVE GROUND LEVEL
START *20'* **STOP** *20'* **HEIGHT RELATIVE TO OBSERVER**
START *20'* **STOP** *20'*

DISTANCE FROM OBSERVER
START *50'* **STOP** *50'* **DIRECTION FROM OBSERVER**
START *250'* **STOP** *250'*

DESCRIBE EMISSIONS
START *Clear* **STOP** *Clear*

EMISSION COLOR
START *Clear* **STOP** *Clear*

PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START *Top of drop* **STOP** *same*

DESCRIBE BACKGROUND
START *sky* **STOP** *sky*

BACKGROUND COLOR
START *White* **STOP** *White* **SKY CONDITIONS**
START *cldy* **STOP** *cldy*

WIND SPEED
START *0-3* **STOP** *0-3* **WIND DIRECTION**
START *Var* **STOP** *Var*

AMBIENT TEMP: **START** *91* **STOP** *91* **WET BULB TEMP** *82* **RH, percent** *69*

Diagram labels: Screen, Crushed Asphalt, Hopper, Emission Point, Sun, Wind, Plume and Stack, 140°, Observers Positions, Sun Location Line

OBSERVATION DATE	START TIME		STOP TIME		COMMENTS
	0	15	30	45	
8-22-12	1246	1316			
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	
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	
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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	

COMMENTS

OBSERVER'S NAME (PRINT) *Rodney PAUL*

OBSERVER'S SIGNATURE *Rodney Paul* **DATE** *8-22-12*

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

ORGANIZATION *KOGLER AND ASSOCIATES, INC.*

TITLE **DATE**

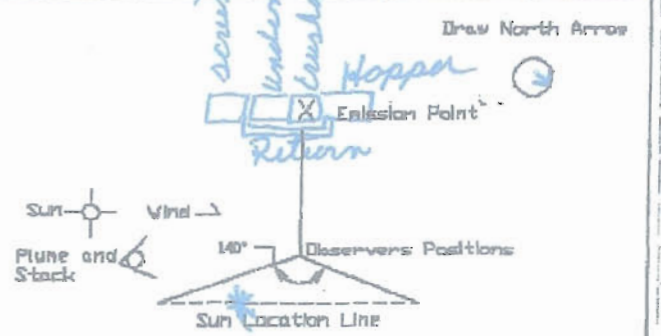
CERTIFIED BY *Whitlaw* **DATE** *7-11-12*



SOURCE NAME: *Middlesex Asphalt LLC*
 ADDRESS: *10705 Cosmonaut Blvd.*
 CITY: *Orlando* STATE: *Fl.* ZIP: *32824*
 PHONE: *321-282-9870* SOURCE ID NUMBER: *EP-2*
 PROCESS EQUIPMENT: *Crusher* OPERATING MODE: *250 TPH*
 CONTROL EQUIPMENT: _____ OPERATING MODE: _____

OBSERVATION DATE	START TIME	STOP TIME	SEC				COMMENTS
			0	15	30	45	
8-22-12	1246	1316					
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			
7	0	0	0	0			
8	0	0	0	0			
9	0	0	0	0			
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23	0	0	0	0			
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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			

DESCRIBE EMISSION POINT
 START: *Crusher Area* STOP: *same*
 HEIGHT ABOVE GROUND LEVEL: START *20h* STOP *20h*
 HEIGHT RELATIVE TO OBSERVER: START *20'* STOP *20'*
 DISTANCE FROM OBSERVER: START *50h* STOP *50h*
 DIRECTION FROM OBSERVER: START *246°* STOP *246°*
 DESCRIBE EMISSIONS: START *clear* STOP *clear*
 EMISSION COLOR: START *clear* STOP *clear*
 PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT
 WATER DROPLETS PRESENT: NO YES
 IF WATER DROPLET PLUME: ATTACHED DETACHED
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED: START *top of crusher* STOP *same*
 DESCRIBE BACKGROUND: START *clear* STOP *same*
 BACKGROUND COLOR: START *mc* STOP *mc*
 SKY CONDITIONS: START *cldy* STOP *cldy*
 WIND SPEED: START *0-3* STOP *0-3*
 WIND DIRECTION: START *Var* STOP *Var*
 AMBIENT TEMP: START *91* STOP *91*
 WET BULB TEMP: *82* RH: *69*



COMMENTS: _____
 I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE: _____
 TITLE: _____ DATE: _____

OBSERVER'S NAME (PRINT): *Rodney Paul*
 OBSERVER'S SIGNATURE: *Rodney Paul* DATE: *8-22-12*
 ORGANIZATION: *KOGLER AND ASSOCIATES, INC.*
 CERTIFIED BY: *Whitlaw* DATE: *7-11-12*



SOURCE NAME *Middlesex Asphalt LLC*

ADDRESS *10705 Cosmonaut Blvd.*

CITY *Orlando* **STATE** *FL* **ZIP** *32824*

PHONE *321-282-9870* **SOURCE ID NUMBER** *EP-3*

PROCESS EQUIPMENT *Crusher/Grinder* **OPERATING MODE** *250 TPH*

CONTROL EQUIPMENT **OPERATING MODE**

DESCRIBE EMISSION POINT
START *Dust Point* **STOP** *same*

HEIGHT ABOVE GROUND LEVEL
START *5h* **STOP** *5h* **HEIGHT RELATIVE TO OBSERVER**
START *5h* **STOP** *5h*

DISTANCE FROM OBSERVER
START *50h* **STOP** *50h* **DIRECTION FROM OBSERVER**
START *246* **STOP** *246*

DESCRIBE EMISSIONS
START *clear* **STOP** *clear*

EMISSION COLOR
START *clear* **STOP** *clear*

PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT

WATER DROPLETS PRESENT: NO YES **IF WATER DROPLET PLUME:** ATTACHED DETACHED

POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
START *Dust Point* **STOP** *same*

DESCRIBE BACKGROUND
START *Equs* **STOP** *same*

BACKGROUND COLOR
START *MC* **STOP** *MC* **SKY CONDITIONS**
START *cldy* **STOP** *cldy*

WIND SPEED
START *0-3* **STOP** *0-3* **WIND DIRECTION**
START *Var* **STOP** *Var*

AMBIENT TEMP: **START** *91* **STOP** *91k* **WET BULB TEMP** *82* **RH. percent** *69*

Draw North Arrow

SEC MIN	OBSERVATION DATE				START TIME	STOP TIME	COMMENTS
	0	15	30	45	1246	1316	
1	0	0	0	0			
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3	0	0	0	0			
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27	0	0	0	0			
28	0	0	0	0			
29	0	0	0	0			
30	0	0	0	0			

COMMENTS

OBSERVER'S NAME (PRINT) *Rodney Paul*

OBSERVER'S SIGNATURE *Rodney Paul* **DATE** *8-22-12*

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

ORGANIZATION *KOGLER AND ASSOCIATES, INC.*

TITLE **DATE**

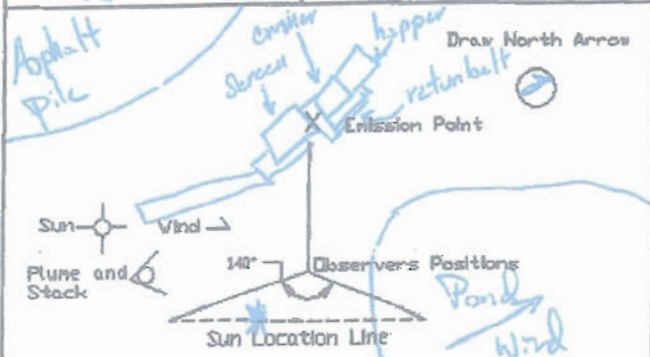
CERTIFIED BY *Whitlaw* **DATE** *7-11-12*



Middlesex Asphalt LLC
 10705 Cosmonaut Blvd
 Orlando Florida 32824
 PHONE: 321-282-9870
 SOURCE ID NUMBER: EPA
 PROCESS EQUIPMENT: Underbelt to Screen
 OPERATING MODE: 250 TPH
 CONTROL EQUIPMENT: N/A
 OPERATING MODE:
 DESCRIBE EMISSION POINT
 START: under belt of crusher to screen
 STOP:
 HEIGHT ABOVE GROUND LEVEL
 START: 25 STOP: 25
 HEIGHT RELATIVE TO OBSERVER
 START: 25 STOP: 25
 DISTANCE FROM OBSERVER
 START: 75 STOP: 75
 DIRECTION FROM OBSERVER
 START: 265 STOP: 265
 DESCRIBE EMISSIONS
 START: none STOP: none
 EMISSION COLOR
 START: none STOP: none
 PLUME TYPE: CONTINUOUS
 FUGITIVE INTERMITTENT
 WATER DROPLETS PRESENT:
 NO YES
 IF WATER DROPLET PLUME:
 ATTACHED DETACHED
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED
 START: end of underbelt to top of screen
 STOP:
 DESCRIBE BACKGROUND
 START: sky STOP: sky
 BACKGROUND COLOR
 START: blue STOP: blue
 SKY CONDITIONS
 START: PC STOP: PC
 WIND SPEED
 START: 0-5 STOP: 0-5
 WIND DIRECTION
 START: SE STOP: SE
 AMBIENT TEMP:
 START: 90 STOP: 90
 WET BULB TEMP: 83
 RH, percent: 75%

 COMMENTS
 OBSERVER'S NAME (PRINT): Ryan Meyer
 OBSERVER'S SIGNATURE
 DATE: 8/22/12
 I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE
 ORGANIZATION: KOOGLER AND ASSOCIATES, INC.
 TITLE
 DATE
 CERTIFIED BY: Whitlow Enterprises
 DATE: 7/2012

SEC	OBSERVATION DATE			START TIME	STOP TIME	COMMENTS
	0	15	30	45		
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
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28	0	0	0	0		
29	0	0	0	0		
30	0	0	0	0		

Middlesex Asphalt LLC
 10705 Cosmonaut Blvd
 Orlando Florida 32824
 PHONE: 321-282-9870 SOURCE ID NUMBER: EP5
 PROCESS EQUIPMENT: Screen to oversized belt OPERATING MODE: 250 TPH
 CONTROL EQUIPMENT: N/A OPERATING MODE:
 DESCRIBE EMISSION POINT: START: bottom of screen STOP: oversized belt
 HEIGHT ABOVE GROUND LEVEL: START: 10 STOP: 10 HEIGHT RELATIVE TO OBSERVER: START: 10 STOP: 10
 DISTANCE FROM OBSERVER: START: 75 STOP: 85 DIRECTION FROM OBSERVER: START: 270 STOP: 270
 DESCRIBE EMISSIONS: START: none STOP: none
 EMISSION COLOR: START: none STOP: none PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT
 WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED: START: bottom of screen STOP: top of belt
 DESCRIBE BACKGROUND: START: underside of EPA underbelt STOP: EPA underbelt
 BACKGROUND COLOR: START: black STOP: black SKY CONDITIONS: START: PC STOP: PC
 WIND SPEED: START: 0-5 STOP: 0-5 WIND DIRECTION: START: SE STOP: SE
 AMBIENT TEMP: START: 90 STOP: 90 WET BULB TEMP: 83 RH.percent: 75%


OBSERVATION DATE		START TIME		STOP TIME	COMMENTS	
SEC	MIN	0	15	30		45
1	0	0	0	0	9	
2	0	0	0	0	9	
3	0	0	0	0	9	
4	0	0	0	0	9	
5	0	0	0	0	9	
6	0	0	0	0	9	
7	0	0	0	0	9	
8	0	0	0	0	9	
9	0	0	0	0	9	
10	0	0	0	0	9	
11	0	0	0	0	9	
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15	0	0	0	0	9	
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19	0	0	0	0	9	
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22	0	0	0	0	9	
23	0	0	0	0	9	
24	0	0	0	0	9	
25	0	0	0	0	9	
26	0	0	0	0	9	
27	0	0	0	0	9	
28	0	0	0	0	9	
29	0	0	0	0	9	
30	0	0	0	0	9	

COMMENTS: OBERVER'S NAME (PRINT): Ryan Meyer
 OBERVER'S SIGNATURE: [Signature] DATE: 8/22
 I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE: ORGANIZATION: KOOGLER AND ASSOCIATES, INC.
 TITLE: DATE: CERTIFIED BY: Whitlow Enterprises DATE: 7/2012

Middlesex Asphalt LLC
 10705 Cosmonaut Blvd
 Orlando Florida 32824
 PHONE: 321-282-9870 SOURCE ID NUMBER: EPC
 PROCESS EQUIPMENT: Oversized belt to Return Belt OPERATING MODE: 250-TPA
 CONTROL EQUIPMENT: N/A OPERATING MODE:
 DESCRIBE EMISSION POINT START: oversized belt of screen to return belt ^{going to} hopper STOP:
 HEIGHT ABOVE GROUND LEVEL START: 10 STOP: 10 HEIGHT RELATIVE TO OBSERVER START: 10 STOP: 10
 DISTANCE FROM OBSERVER START: 85 STOP: 85 DIRECTION FROM OBSERVER START: 275 STOP: 275
 DESCRIBE EMISSIONS START: none STOP: none
 EMISSION COLOR START: none STOP: none PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT
 WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START: end of oversized belt to top of return belt STOP:
 DESCRIBE BACKGROUND START: underside of EP4 belt STOP:
 BACKGROUND COLOR START: black STOP: black SKY CONDITIONS START: PC STOP: PC
 WIND SPEED START: 0-5 STOP: 0-5 WIND DIRECTION START: JE STOP: SE
 AMBIENT TEMP: START: 90 STOP: 90 WET BULB TEMP: 83 RH.percent: 75%

Asphalt Pile
 Screen
 oversized belt
 return belt
 Emission Point
 Sun
 Wind
 Plume and Stack
 140°
 Sun Location Line
 Wind
 Pond
 Draw North Arrow

COMMENTS

I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE

TITLE DATE

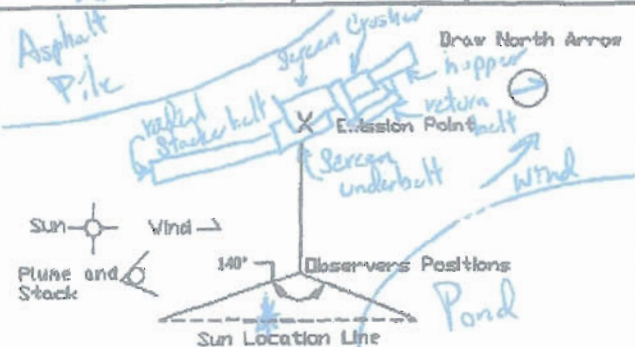
OBSERVATION DATE	START TIME				STOP TIME	COMMENTS
	0	15	30	45		
8/22/12				1245	1:15	
SEC MIN						
1	0	0	0	0		
2	0	0	0	0		
3	0	0	0	0		
4	0	0	0	0		
5	0	0	0	0		
6	0	0	0	0		
7	0	0	0	0		
8	0	0	0	0		
9	0	0	0	0		
10	0	0	0	0		
11	0	0	0	0		
12	0	0	0	0		
13	0	0	0	0		
14	0	0	0	0		
15	0	0	0	0		
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17	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		
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24	0	0	0	0		
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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): Ryan Meyer

OBSERVER'S SIGNATURE: DATE: 8/22/12

ORGANIZATION: KOUGLER AND ASSOCIATES, INC.

CERTIFIED BY: Whitlow Enterprises DATE: 7/2012

Middlesex Asphalt LLC
 10705 Cosmonaut Blvd
 Orlando Florida 32824
 PHONE: 321-282-5670 SOURCE ID NUMBER: EP7
 PROCESS EQUIPMENT: Screen to Screen OPERATING MODE: 250 TPH
 CONTROL EQUIPMENT: N/A OPERATING MODE:
 DESCRIBE EMISSION POINT START: DP. & screen to STOP: under belt
 HEIGHT ABOVE GROUND LEVEL START: 15 STOP: 15 HEIGHT RELATIVE TO OBSERVER START: 15 STOP: 15
 DISTANCE FROM OBSERVER START: 75 STOP: 75 DIRECTION FROM OBSERVER START: 265 STOP: 265
 DESCRIBE EMISSIONS START: none STOP: none
 EMISSION COLOR START: none STOP: none PLUME TYPE: CONTINUOUS FUGITIVE INTERMITTENT
 WATER DROPLETS PRESENT: NO YES IF WATER DROPLET PLUME: ATTACHED DETACHED
 POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START: bottom of Rubber curtain to top of belt STOP:
 DESCRIBE BACKGROUND START: Asphalt pile STOP: none
 BACKGROUND COLOR START: grey STOP: grey SKY CONDITIONS START: PC STOP: PC
 WIND SPEED START: 0-5 STOP: 0-5 WIND DIRECTION START: SE STOP: SE
 AMBIENT TEMP: START: 90 STOP: 90 WET BULB TEMP: 83 RH: percent 75


OBSERVATION DATE		START TIME		STOP TIME	COMMENTS
8/22/12		1316		1346	
SEC MIN	0	15	30	45	
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	
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8	0	0	0	0	
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22	0	0	0	0	
23	0	0	0	0	
24	0	0	0	0	
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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	

COMMENTS: OBERVER'S NAME (PRINT): Ryan Meyer
 OBERVER'S SIGNATURE: [Signature] DATE: 8/22/12
 I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE: ORGANIZATION: KOOGLER AND ASSOCIATES, INC.
 TITLE: DATE: CERTIFIED BY: Whitlow Enterprises DATE: 7/2012

SOURCE NAME <i>Middlesex Asphalt LLC</i>		OBSERVATION DATE <i>8-22-12</i>		START TIME <i>1319</i>	STOP TIME <i>1349</i>		
ADDRESS <i>10705 Cosmopolitan Blvd.</i>		CITY <i>Orlando</i>		STATE <i>FL</i>	ZIP <i>32824</i>		
PHONE <i>321-282-9870</i>		SOURCE ID NUMBER <i>SP-8</i>		COMMENTS			
PROCESS EQUIPMENT <i>Screening Plant</i>		OPERATING MODE <i>250 TPH</i>		1 <i>0000</i>			
CONTROL EQUIPMENT		OPERATING MODE		2 <i>0000</i>			
DESCRIBE EMISSION POINT START <i>Drop Point</i> STOP <i>same</i>		HEIGHT ABOVE GROUND LEVEL START <i>6' 6"</i> STOP <i>6' 6"</i>		3 <i>0000</i>			
HEIGHT RELATIVE TO OBSERVER START <i>6' 6"</i> STOP <i>6' 6"</i>		DISTANCE FROM OBSERVER START <i>20' 20"</i> STOP <i>20' 20"</i>		4 <i>0000</i>			
DIRECTION FROM OBSERVER START <i>220°</i> STOP <i>220°</i>		DESCRIBE EMISSIONS START <i>clean</i> STOP <i>clean</i>		5 <i>0000</i>			
EMISION COLOR START <i>clear</i> STOP <i>clear</i>		PLUME TYPE: CONTINUOUS <input type="checkbox"/> FUGITIVE <input type="checkbox"/> INTERMITTENT <input type="checkbox"/>		6 <i>0000</i>			
WATER DROPLETS PRESENT: NO <input type="checkbox"/> YES <input type="checkbox"/>		IF WATER DROPLET PLUME: ATTACHED <input type="checkbox"/> DETACHED <input type="checkbox"/>		7 <i>0000</i>			
POINT IN THE PLUME AT WHICH OPACITY WAS DETERMINED START <i>Top of drop</i> STOP <i>same</i>		DESCRIBE BACKGROUND START <i>Stops Pile</i> STOP <i>same</i>		8 <i>0000</i>			
BACKGROUND COLOR START <i>black sm</i> STOP <i>same</i>		SKY CONDITIONS START <i>cldy</i> STOP <i>cldy</i>		9 <i>0000</i>			
WIND SPEED START <i>0-6</i> STOP <i>3-10</i>		WIND DIRECTION START <i>Var</i> STOP <i>W</i>		10 <i>0000</i>			
AMBIENT TEMP START <i>90</i> STOP <i>90</i>		WET BULB TEMP <i>81</i>		11 <i>0000</i>			
RH. percent <i>68</i>		12 <i>0000</i>		13 <i>0000</i>			
		14 <i>0000</i>		15 <i>0000</i>			
		16 <i>0000</i>		17 <i>0000</i>			
		18 <i>0000</i>		19 <i>0000</i>			
		20 <i>0000</i>		21 <i>0000</i>			
		22 <i>0000</i>		23 <i>0000</i>			
		24 <i>0000</i>		25 <i>0000</i>			
		26 <i>0000</i>		27 <i>0000</i>			
		28 <i>0000</i>		29 <i>0000</i>			
		29 <i>0000</i>		30 <i>0000</i>			
		30 <i>0000</i>					
		COMMENTS		OBSERVER'S NAME (PRINT) <i>Rodney PAUL</i>			
		I HAVE RECEIVED A COPY OF THESE OPACITY OBSERVATIONS SIGNATURE		OBSERVER'S SIGNATURE <i>Rodney Paul</i>		DATE <i>8-22-12</i>	
		TITLE		ORGANIZATION <i>KOGLER AND ASSOCIATES, INC.</i>			
		DATE		CERTIFIED BY <i>Whitlaw</i>		DATE <i>7-11-12</i>	

Table 1

**Visible Emission Observations
Middlesex Asphalt, LLC
Orlando, Orange County, Florida
EU 002 - Crushing System; Permit 0951259-011-AO
Facility ID No. 09512559
August 22, 2012**

Emission Point	Point Name	Transfer Rate		Opacity	
		Design (TPH)	Tested (TPH)	Observed (%) ⁽¹⁾	Limit (%)
1	Hopper/Oversize Return Belt	330	250	0.0	10
2	Crusher	330	250	0.0	15
3	Crusher to Under Belt	330	250	0.0	15
4	Crusher Under Belt to Screen	330	250	0.0	10
5	Screen to Oversize Belt	330	250	0.0	10
6	Oversize Belt to Return Belt	330	250	0.0	10
7	Screen to Under Belt	330	250	0.0	10
8	Screen Underbelt to Stacker Belt	330	250	0.0	10
9	Auxillary Belt - Not in use/not tested	330	-	-	10

⁽¹⁾ Highest six-minute rolling average opacity.

