

**SMTV FER/EIS Emissions Report (201217) for 2010**  
**Barrett Paving - Middletown Batch #161**  
**1409010131**  
**March 25, 2011**

# 2010 Emissions Summary Report : 201217

Oct 9 2011, 15:51:06

**- Report Data**

Report Category: SMTV

Submitted Date: 03/25/2011

Reporting Year: 2010

Approved Date 03/29/2011

Reporting State Approved

**- Reports Included**

FER: X

ES:

EIS: X

**- Facility Emissions**

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs
SO2 - Sulfur Dioxide	SO2	X	0.	4.42	4.42	TONs
NOx - Nitrogen Oxides	NOX	X	0.	6.13	6.13	TONs
Organic Compounds	OC	X	0.88	1.84	2.72	TONs
Pb - Lead	7439921	X	0.	0.	0.	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	2.68	2.34	5.02	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.06	1.5	1.56	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs
VOC - Volatile Organic Compounds	VOC		0.88	1.84	2.72	TONs
Ammonia	NH3		0.	0.	0.	TONs
CO - Carbon Monoxide	CO		0.14	22.25	22.39	TONs
Total of Chargable Pollutants					18.29	TONS

**- Attachments**

Description	Type	Public Document	Trade Secret Document	Trade secret Justification
CY2010 Annual Actual Emissions Calculations	Calculations	X		

**- Notes**

User Name	Date	Note

## Emission Units Without Detailed Emissions

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Emission Unit	Why Excluded	Company Equipment ID
F001	Less Than Reporting Requirement	Roadways
F002	Less Than Reporting Requirement	Storage Piles
T001	Exemption Status = Permit Exempt	10K Oil Storage Tank
T002	Exemption Status = Permit Exempt	20K AC Storage Tank

### Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
<b>P902</b>	<b>3-05-002-47</b>	0.	4.42	6.13	1.84	0.	2.34	1.5	0.	1.84	0.	22.25
<b>P902</b>	<b>3-05-002-98</b>	0.	0.	0.	0.88	0.	2.68	0.06	0.	0.88	0.	0.14
<b>Total</b>		0.	4.42	6.13	2.72	0.	5.02	1.56	0.	2.72	0.	22.39

## Emission Unit Summary: P902

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Emissions Unit ID: P902

Detailed Reporting

DAPC Description:

### - Unit Emissions

Pollutant	Code	\$	Fugitive Amount	Stack Amount	Total	Units	QA+
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON		0.	0.	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X	0.	4.42	4.42	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	6.13	6.13	TONs	
Organic Compounds	OC	X	0.88	1.84	2.72	TONs	
Pb - Lead	7439921	X	0.	0.	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	2.68	2.34	5.02	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.06	1.5	1.56	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONs	
VOC - Volatile Organic Compounds	VOC		0.88	1.84	2.72	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.14	22.25	22.39	TONs	
Total of Chargable Pollutants					18.29	TONS	

### - Processes

#### - Process & Emissions Detail

Name: HMA Plant

Source Classification Code (SCC): 3-05-002-47

#### - Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 8

Days Per Week: 5

Weeks Per Year: 30

Hours Per Year: 318

Winter (Dec - Feb)%: 10

Spring (March-May)%: 30

Summer (June-Aug)%: 30

Fall (Sept-Nov)%: 30

Material	Material Action	Throughput	X Units
Hot Mix Asphalt	Produced	111266	TONs

- **Process Emissions**

Pollutant	Code	\$ Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Unit s	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	4.42	4.42	TONs	See Attached Emissions Calculations.
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	6.13	6.13	TONs	See Attached Emissions Calculations.
Organic Compounds	OC	X emissions: STACK TEST			0	1.84	1.84	TONs	See Attached Emissions Calculations.
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: STACK TEST			0	2.34	2.34	TONs	See Attached Emissions Calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: MAT. BALANCE			0	1.50	1.5	TONs	See Attached Emissions Calculations.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC	emissions: STACK TEST			0	1.84	1.84	TONs	See Attached Emissions Calculations.
Ammonia	NH3	emissions:			0	0	0.	TONs	

		ENG. JUDGEMENT							
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	22.25	22.25	TONs	See Attached Emissions Calculations.
Total of Chargable Pollutants							14.73	TONS	

- **Process & Emissions Detail**

Name: Material Handling

Source Classification Code (SCC): 3-05-002-98

- **Material Information, Annual Average Operating Schedule & Throughput Percent**

Schedule Trade Secret:

Hours Per Day: 8

Days Per Week: 5

Weeks Per Year: 30

Hours Per Year: 318

Winter (Dec - Feb)%: 10

Spring (March-May)%: 30

Summer (June-Aug)%: 30

Fall (Sept-Nov)%: 30

Material	Material Action	Throughput	X Units
Hot Mix Asphalt	Produced	111266	TONs

- **Process Emissions**

Pollutant	Code	Method Used	Hours UnCont.	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
PE (Cond) - Primary PM Condensable Portion Only (All Less than 1 Micron)	PM-CON	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
NOx - Nitrogen	NOX	X emissions:			0	0	0.	TONs	

Oxides			ENG. JUDGEMENT						
Organic Compounds	OC	X	emissions: ENG. JUDGEMENT		0.88	0	0.88	TONs	
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT		0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: ENG. JUDGEMENT		2.68	0	2.68	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: ENG. JUDGEMENT		0.06	0	0.06	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT		0	0	0.	TONs	
VOC - Volatile Organic Compounds	VOC		emissions: ENG. JUDGEMENT		0.88	0	0.88	TONs	
Ammonia	NH3		emissions: ENG. JUDGEMENT		0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT		0.14	0	0.14	TONs	
Total of Chargable Pollutants							3.56	TONS	