

**SMTV FER/EIS Emissions Report (186403) for 2009**  
**SHELLY MATERIALS PLANT #43**  
**0701000068**  
**April 13, 2010**

# 2009 Emissions Summary Report : 186403

Jun 1 2010, 11:53:08

**- Report Data**

Report Category: SMTV

Submitted Date: 04/13/2010

Reporting Year: 2009

Approved Date 04/14/2010

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.	1.13	1.13	TONS
NOx - Nitrogen Oxides	NOX	X	0.	2.29	2.29	TONS
Organic Compounds	OC	X	0.3	2.73	3.03	TONS
Pb - Lead	7439921	X	0.	2E-05	2E-05	TONS
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	2.36	0.2	2.56	TONS
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.	0.	TONS
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.	0.	TONS
VOC - Volatile Organic Compounds	VOC		0.	0.	0.	TONS
Ammonia	NH3		0.	0.	0.	TONS
CO - Carbon Monoxide	CO		0.05	6.13	6.18	TONS
Total of Chargable Pollutants					9.01002	TONS

**- Attachments**

Description	Type	Public Document	Trade Secret Document	Trade secret Justification
Annual Emissions Calculations for Shelly Materials Plant #43	Annual Summary of Emissions	X		

**- Notes**

User Name	Date	Note
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**Emission Units Without Detailed Emissions**

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Emission Unit	Why Excluded	Company Equipment ID
F002	Less Than 1 TPY per Pollutant	Aggregate Storage Piles
T001	Less Than 1 TPY per Pollutant	T001
T002	Less Than 1 TPY per Pollutant	T002

**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>F001</b>	<b>3-05-002-90</b>	0.	0.	0.	0.	0.	1.3	0.	0.	0.	0.	0.
<b>P901</b>	<b>3-05-002-53</b>	0.	1.13	2.29	3.03	2E-05	1.26	0.	0.	0.	0.	6.18
<b>Total</b>		0.	1.13	2.29	3.03	2E-05	2.56	0.	0.	0.	0.	6.18

## Emission Unit Summary: F001

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Emissions Unit ID: F001

Engineering Guide #71 Exemption:

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	0	0.	TONS	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONS	
Organic Compounds	OC	X	0	0	0.	TONS	
Pb - Lead	7439921	X	0	0	0.	TONS	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	1.30	0	1.3	TONS	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0	0.	TONS	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONS	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONS	
Ammonia	NH3		0	0	0.	TONS	
CO - Carbon Monoxide	CO		0	0	0.	TONS	
Total of Chargable Pollutants					1.3	TONS	

### - Processes

#### - Process & Emissions Detail

Name: HMA Roadways

Source Classification Code (SCC): 3-05-002-90

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

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 34

Hours Per Year: 2040

Winter (Dec - Feb)%: 0

Spring (March-May)%: 20

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 40

Material	Material Action	Throughput	X Units
Asphaltic Concrete	Processed	37,705	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 Oxides	NOX	X emissions: ENG. JUDGEMENT			0	0	0.	TONS	
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0	0.	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			1.30	0	1.3	TONS	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	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	0	0.	TONS	

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONS	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONS	
Total of Chargable Pollutants							1.3	TONS	

## Emission Unit Summary: P901

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Emissions Unit ID: P901

Engineering Guide #71 Exemption:

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	1.13	1.13	TONS	
NOx - Nitrogen Oxides	NOX	X	0	2.29	2.29	TONS	
Organic Compounds	OC	X	0.30	2.73	3.03	TONS	
Pb - Lead	7439921	X	0	0.00002	2E-05	TONS	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	1.06	0.20	1.26	TONS	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0	0.	TONS	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0	0.	TONS	
VOC - Volatile Organic Compounds	VOC		0	0	0.	TONS	
Ammonia	NH3		0	0	0.	TONS	
CO - Carbon Monoxide	CO		0.05	6.13	6.18	TONS	
Total of Chargable Pollutants					7.71002	TONS	

### - Processes

#### - Process & Emissions Detail

Name: HMA Production

Source Classification Code (SCC): 3-05-002-53

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

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 34

Hours Per Year: 2040

Winter (Dec - Feb)%: 0

Spring (March-May)%: 20

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 40

Material	Material Action	Throughput	X Units
Hot Mix Asphalt	Produced	37,705	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: STACK TEST			0	1.13	1.13	TONS	
NOx - Nitrogen Oxides	NOX	X emissions: STACK TEST			0	2.29	2.29	TONS	
Organic Compounds	OC	X emissions: STACK TEST			0.30	2.73	3.03	TONS	
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0.00002	2E-05	TONS	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: STACK TEST			1.06	0.20	1.26	TONS	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	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	0	0.	TONS	
Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONS	

CO - Carbon Monoxide	CO	emissions: STACK TEST			0.05	6.13	6.18	TONS	
Total of Chargable Pollutants							7.71002	TONS	