

SMTV FER/EIS Emissions Report (201248) for 2010
VALLEY ASPHALT PLANT # 13
1409000029
March 28, 2011

2010 Emissions Summary Report : 201248

Oct 9 2011, 15:58:27

- Report Data

Report Category: SMTV

Submitted Date: 03/28/2011

Reporting Year: 2010

Approved Date 04/07/2011

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	0.013	0.013	TONs
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs
NOx - Nitrogen Oxides	NOX	X	0	0.54	0.54	TONs
Organic Compounds	OC	X	0	0.324	0.324	TONs
Pb - Lead	7439921	X	0.	9.61956E-06	9.61956E-06	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.0432	0.0432	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.0168	0.0168	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.0143	0.0143	TONs
VOC - Volatile Organic Compounds	VOC		0	0.324	0.324	TONs
Ammonia	NH3		0	0	0.	TONs
CO - Carbon Monoxide	CO		0	0.865	0.865	TONs
Total of Chargable Pollutants					0.90721	TONS

- Attachments

Description	Type	Public Document	Trade Secret Document	Trade secret Justification

- 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	PLANT 13

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
P902	3-05-002-47	0.013	0.	0.54	0.324	9.61956E-06	0.0432	0.0168	0.0143	0.324	0.	0.865
Total		0.013	0.	0.54	0.324	9.61956E-06	0.0432	0.0168	0.0143	0.324	0.	0.865

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	0.013	0.013	TONs	
SO2 - Sulfur Dioxide	SO2	X	0	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0.54	0.54	TONs	
Organic Compounds	OC	X	0	0.324	0.324	TONs	
Pb - Lead	7439921	X	0.	9.61956E-06	9.61956E-06	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.0432	0.0432	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.0168	0.0168	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.0143	0.0143	TONs	
VOC - Volatile Organic Compounds	VOC		0	0.324	0.324	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0.865	0.865	TONs	
Total of Chargable Pollutants					0.90721	TONS	

- Processes

- Process & Emissions Detail

Name: #13 Asphalt Plant

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

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 49

Hours Per Year: 75

Winter (Dec - Feb)%: 10

Spring (March-May)%: 30

Summer (June-Aug)%: 40

Fall (Sept-Nov)%: 20

Material	Material Action	Throughput	X Units
Hot Mix Asphalt	Produced	21617	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	0.013	0.013	TONs	- AP-42 11.1-2 Particle Size All Less than 1 Micron 30% of Filterable PM. 0.0432 ton/year of PE x .30 = 0.013 Primary PM Condensable
SO2 - Sulfur Dioxide	SO2	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	Emission Factor determined by stack test 9/15/2010. Sulfur Dioxide 0 ton x 21,617 tons/year x 1 ton/2000lb= 1.913 ton/year of SO2
NOx - Nitrogen Oxides	NOX	X emissions: STACK TEST			0	0.54	0.54	TONs	Emission Factor determined by stack test 9/15/2010. Nitrogen Oxides 0.05 lb/ton x 21,617 tons/year x 1 ton/2000lb=0.54 ton/year of NOx
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0.324	0.324	TONs	Emission Factor determined by stack test 9/15/2010. Organic Compounds 0.03 ton x 21,617 tons/year x 1 ton/2000lb=0.324 ton/year of OC
Pb - Lead	7439921	X factor:ENG. JUDGEMENT	0	8.9E-07	0.	9.61956E-06	9.61956E-06	TONs	AP-42 Table 11.1-11
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: STACK TEST			0	0.0432	0.0432	TONs	Emission Factor determined by stack test 9/15/2010. PE 0.004 lb/ton x 21,617 tons/year x 1 ton/2000lb= 0.0432 ton/year of PE
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0.0168	0.0168	TONs	AP-42 11.1-2 Particle Size 10 Micron 39% of Filterable PM. 0.0432 ton/year of PE x .39 = 0.0168 ton/year of PM10
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0.0143	0.0143	TONs	AP-42 11.1-2 Particle Size 2.5 Micron 33% of Filterable PM. 0.0432 ton/year of PE x .33 = 0.0143 ton/year of PM2.5
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0.324	0.324	TONs	Emission Factor determined by stack test 9/15/2010. VOC 0.03 ton x 21,617 tons/year x 1 ton/2000lb=0.324 ton/year of VOC

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	No Emissions Factors found in AP 42 11.1
CO - Carbon Monoxide	CO	emissions: STACK TEST			0	0.865	0.865	TONs	Emission Factor determined by stack test 9/15/2010. CO 0.08 lb/ton x 21,617 tons/year x 1 ton/2000lb= 0.865 ton/year of CO
Total of Chargable Pollutants							0.90721	TONS	