

SMTV FER/EIS Emissions Report (201003) for 2010
BARRETT PAVING MATERIALS - FAIRFIELD BC
1409000018
March 15, 2011

2010 Emissions Summary Report : 201003

Oct 7 2011, 13:26:49

- Report Data

Report Category: SMTV

Submitted Date: 03/15/2011

Reporting Year: 2010

Approved Date 03/16/2011

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	0.28	0.28	TONs
NOx - Nitrogen Oxides	NOX	X	0	1.99	1.99	TONs
Organic Compounds	OC	X	0	1.03	1.03	TONs
Pb - Lead	7439921	X	0	0	0.	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0.31	0.31	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0	0.31	0.31	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0	0.31	0.31	TONs
VOC - Volatile Organic Compounds	VOC		0	1.03	1.03	TONs
Ammonia	NH3		0	0	0.	TONs
CO - Carbon Monoxide	CO		0	5.19	5.19	TONs
Total of Chargable Pollutants					3.61	TONS

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Pollutant	Code	Fugitive Amount	Stack Amount	Total	Units
Dioxins, Total, w/o Individ. Isomers Reported {PCDDS}	136677093	0.	9.36306E-08	9.36306E-08	TONs
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	0.	1.13694E-09	1.13694E-09	TONs

Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	0.	3.67835E-10	3.67835E-10	TONs
Hexachlorodibenzo-P-Dioxin	34465468	0.	1.80573E-10	1.80573E-10	TONs
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	0.	1.80573E-10	1.80573E-10	TONs
Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851345	0.	5.35032E-11	5.35032E-11	TONs
Hydrochloric Acid (Hydrogen Chloride)	7647010	0.	0.0070223	0.0070223	TONs
Octachlorodibenzo-P-Dioxin	3268879	0.	9.02866E-08	9.02866E-08	TONs
Polychlorinated Dibenzofurans, Total	136677106	0.	5.01592E-09	5.01592E-09	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0.	2.3742E-09	2.3742E-09	TONs
Total Pentachlorodibenzofuran	30402154	0.	2.47452E-09	2.47452E-09	TONs

- **Attachments**

Description	Type	Public Document	Trade Secret Document	Trade secret Justification
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- **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
B001	Less Than Reporting Requirement	OIL BURNER FOR SILOS
F001	Less Than Reporting Requirement	Roadways
F002	Less Than Reporting Requirement	Storage Piles
T001	Exemption Status = De minimis	T01
T002	Exemption Status = De minimis	AC Storage Tank
T005	Exemption Status = De minimis	Oil 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
P902	3-05-002-61	0.	0.28	1.99	1.03	0.	0.31	0.31	0.31	1.03	0.	5.19
Total		0.	0.28	1.99	1.03	0.	0.31	0.31	0.31	1.03	0.	5.19

Hydrochloric Acid (Hydrogen Chloride)	7647010	0.	0.0070223	0.0070223	TONs
Octachlorodibenzo-P-Dioxin	3268879	0.	9.02866E-08	9.02866E-08	TONs
Polychlorinated Dibenzofurans, Total	136677106	0.	5.01592E-09	5.01592E-09	TONs
Total Heptachlorodibenzo-P-Dioxin	37871004	0.	2.3742E-09	2.3742E-09	TONs
Total Pentachlorodibenzofuran	30402154	0.	2.47452E-09	2.47452E-09	TONs

- **Processes**

- **Process & Emissions Detail**

Name: HMA Plant

Source Classification Code (SCC): 3-05-002-61

- **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: 1200

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	66879	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	0.28	0.28	TONs	See Attached Emissions Calculations.
NOx - Nitrogen Oxides	NOX	X emissions: STACK TEST			0	1.99	1.99	TONs	See Attached Emissions Calculations.

Organic Compounds	OC	X	emissions: STACK TEST		0	1.03	1.03	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	0.31	0.31	TONs	See Attached Emissions Calculations.
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		emissions: STACK TEST		0	0.31	0.31	TONs	Assumes all PM is PM10.
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		emissions: ENG. JUDGEMENT		0	0.31	0.31	TONs	Assumes PM-2.5=PM-10=PM.
VOC - Volatile Organic Compounds	VOC		emissions: STACK TEST		0	1.03	1.03	TONs	Assumes all OC is VOC.
Ammonia	NH3		emissions: ENG. JUDGEMENT		0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: STACK TEST		0	5.19	5.19	TONs	See Attached Emissions Calculations.
Total of Chargable Pollutants							3.61	TONs	

The following Hazardous Air Pollutant information was developed using Ohio EPA-generated hazardous air pollutant emission calculations. The values may be provided to USEPA by Ohio EPA as part of Ohio EPA's federal grant commitments. You may modify these Ohio EPA-generated hazardous air pollutant emission calculations, at the process level, if you have more accurate information. There is no certification of these values as part of the emissions report submission.

Process Emissions

Pollutant	Code	Method Used	Hours UnCont	UnCont. Factor (LBS/X)	Fugitive Amount	Stack Amount	Total	Units	Explanation
Dioxins, Total, w/o Individ. Isomers	136677093	factor:OEP A (auto calculate)	0	2.8E-09	0.	9.36306E-08	9.36306E-08	TONs	

Reported {PCDDS}									
Heptachlorodibenzo-P-Dioxin, 1,2,3,4,6,7,8-	35822469	factor:OEP A (auto calculate)	0	3.4E-11	0.	1.13694E-09	1.13694E-09	TONs	
Heptachlorodibenzofuran, 1,2,3,4,6,7,8-	67562394	factor:OEP A (auto calculate)	0	1.1E-11	0.	3.67835E-10	3.67835E-10	TONs	
Hexachlorodibenzo-P-Dioxin	34465468	factor:OEP A (auto calculate)	0	5.4E-12	0.	1.80573E-10	1.80573E-10	TONs	
Hexachlorodibenzofuran, 1,2,3,4,7,8-	70648269	factor:OEP A (auto calculate)	0	5.4E-12	0.	1.80573E-10	1.80573E-10	TONs	
Hexachlorodibenzofuran, 2,3,4,6,7,8-	60851345	factor:OEP A (auto calculate)	0	1.6E-12	0.	5.35032E-11	5.35032E-11	TONs	
Hydrochloric Acid (Hydrogen Chloride)	7647010	factor:OEP A (auto calculate)	0	2.1E-04	0.	0.0070223	0.0070223	TONs	
Octachlorodibenzo-P-Dioxin	3268879	factor:OEP A (auto calculate)	0	2.7E-09	0.	9.02866E-08	9.02866E-08	TONs	
Polychlorinated Dibenzofurans, Total	136677106	factor:OEP A (auto calculate)	0	1.5E-10	0.	5.01592E-09	5.01592E-09	TONs	
Total Heptachlorodibenzo-P-Dioxin	37871004	factor:OEP A (auto calculate)	0	7.1E-11	0.	2.3742E-09	2.3742E-09	TONs	
Total Pentachlorodibenzofuran	30402154	factor:OEP A (auto calculate)	0	7.4E-11	0.	2.47452E-09	2.47452E-09	TONs	