

SMTV FER/EIS Emissions Report (201929) for 2010
Cincinnati Milacron Afton Plant
1413020004
April 14, 2011

2010 Emissions Summary Report : 201929

Oct 11 2011, 11:14:16

- Report Data

Report Category: SMTV

Submitted Date: 04/14/2011

Reporting Year: 2010

Approved Date 04/19/2011

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.	0.01	0.01	TONs
NOx - Nitrogen Oxides	NOX	X	0.	1.49	1.49	TONs
Organic Compounds	OC	X	0.	27.76	27.76	TONs
Pb - Lead	7439921	X	0.	0.08	0.08	TONs
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.21	0.21	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.11	0.11	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.11	0.11	TONs
VOC - Volatile Organic Compounds	VOC		0.	12.53	12.53	TONs
Ammonia	NH3		0.	0.	0.	TONs
CO - Carbon Monoxide	CO		0.	0.	0.	TONs
Total of Chargable Pollutants					29.55	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
B001	Exemption Status = Permit Exempt	OFFICE ADDITION BOILER
B002	Exemption Status = Permit Exempt	PHASE 1 BOILER ROOM UNIT
G001	Less Than Reporting Requirement	Gasoline AST
K002	Less Than Reporting Requirement	Coating Line #2
K004	Did Not Operate	Coating Line #4
K005	Less Than Reporting Requirement	Coating Line #5
P002	Less Than Reporting Requirement	Generator #1
P003	Less Than Reporting Requirement	Generator #2
T001	Exemption Status = Permit Exempt	Thinner Tank #1
T002	Exemption Status = Permit Exempt	#2 Fuel Oil Tank #3
T003	Exemption Status = De minimis	#2 Fuel Oil Tank #4
T004	Exemption Status = Permit Exempt	Stoddard Solvent Tank #5
T005	Exemption Status = Permit Exempt	Waste Solvent Tank #6
T006	Exemption Status = De minimis	Hydraulic Oil Tank #7
T007	Exemption Status = Permit Exempt	Waste Oil Tank #8
Z006	Less Than Reporting Requirement	Generator #1

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
K009	4-02-010-01	0.	0.01	1.49	0.13	0.08	0.11	0.11	0.11	0.08	0.	0.
K009	4-02-025-05	0.	0.	0.	20.26	0.	0.	0.	0.	5.08	0.	0.
K009	4-02-025-01	0.	0.	0.	2.15	0.	0.1	0.	0.	2.15	0.	0.
P001	4-02-025-05	0.	0.	0.	5.22	0.	0.	0.	0.	5.22	0.	0.
Total		0.	0.01	1.49	27.76	0.08	0.21	0.11	0.11	12.53	0.	0.

Emission Unit Summary: K009

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Emissions Unit ID: K009

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.	0.01	0.01	TONs	
NOx - Nitrogen Oxides	NOX	X	0.	1.49	1.49	TONs	
Organic Compounds	OC	X	0.	22.54	22.54	TONs	
Pb - Lead	7439921	X	0.	0.08	0.08	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0.	0.21	0.21	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.	0.11	0.11	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.	0.11	0.11	TONs	
VOC - Volatile Organic Compounds	VOC		0.	7.31	7.31	TONs	
Ammonia	NH3		0.	0.	0.	TONs	
CO - Carbon Monoxide	CO		0.	0.	0.	TONs	
Total of Chargable Pollutants					24.33	TONS	

- Processes

- Process & Emissions Detail

Name: K009-16

Source Classification Code (SCC): 4-02-010-01

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Natural Gas	Burned	29.75	MILLION CUBIC FEET

- **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	0.01	0.01	TONs	based on AP-42 Section 1.4 emission factors
NOx - Nitrogen Oxides	NOX	X emissions: ENG. JUDGEMENT			0	1.49	1.49	TONs	based on AP-42 Section 1.4 emission factors
Organic Compounds	OC	X emissions: ENG. JUDGEMENT			0	0.13	0.13	TONs	based on AP-42 Section 1.4 emission factors
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0.08	0.08	TONs	based on AP-42 Section 1.4 emission factors
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0.11	0.11	TONs	based on AP-42 Section 1.4 emission factors
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0.11	0.11	TONs	based on AP-42 Section 1.4 emission factors
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0	0.11	0.11	TONs	based on AP-42 Section 1.4 emission factors
VOC - Volatile Organic Compounds	VOC	emissions: ENG. JUDGEMENT			0	0.08	0.08	TONs	based on AP-42 Section 1.4 emission factors

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							1.82	TONS	

- **Process & Emissions Detail**

Name: K009-18

Source Classification Code (SCC): 4-02-025-05

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

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Solvent	Used	6049	GALLONS

- **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: MAT. BALANCE			0	20.26	20.26	TONs	6.7 lbs OC/gal cleanup x 6049 gal cleanup. Includes sum of usage for sources K002, K005 and K009. Also includes acetone emissions.
Pb - Lead	7439921	X	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	emissions: MAT. BALANCE			0	0	0.	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: MAT. BALANCE			0	5.08	5.08	TONs	1.68 lbs VOC/gal cleanup x 6049 gal cleanup. Includes sum of usage for sources K002, K005 and K009. Also does not include acetone emissions.
Ammonia	NH3		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO		emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants								20.26	TONS	

- **Process & Emissions Detail**

Name: K009-17

Source Classification Code (SCC): 4-02-025-01

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

Schedule Trade Secret:

Hours Per Day: 24
 Days Per Week: 7
 Weeks Per Year: 52
 Hours Per Year: 8760

Winter (Dec - Feb)%: 25
 Spring (March-May)%: 25
 Summer (June-Aug)%: 25
 Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Solvent in Coating	Used	2.15	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: MAT. BALANCE			0	2.15	2.15	TONs	based on 3.09 lbs OC/gal coating (weighted average) x 1390.76 gallons coating/year.
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: MAT. BALANCE			0	0.10	0.1	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PM2.5 (FIL) - Primary PM2.5,	PM25-FIL	emissions: ENG.			0	0	0.	TONs	

Filterable Portion Only		JUDGEMENT							
VOC - Volatile Organic Compounds	VOC	emissions: MAT. BALANCE			0	2.15	2.15	TONs	based on 3.09 lbs OC/gal coating (weighted average) x 1390.76 gallons coating/year.
Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							2.25	TONS	

Emission Unit Summary: P001

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Emissions Unit ID: P001

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	0	0.	TONs	
NOx - Nitrogen Oxides	NOX	X	0	0	0.	TONs	
Organic Compounds	OC	X	0	5.22	5.22	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	0	0	0.	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	5.22	5.22	TONs	
Ammonia	NH3		0	0	0.	TONs	
CO - Carbon Monoxide	CO		0	0	0.	TONs	
Total of Chargable Pollutants					5.22	TONS	

- Processes

- Process & Emissions Detail

Name: P001-21

Source Classification Code (SCC): 4-02-025-05

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 24

Days Per Week: 7

Weeks Per Year: 52

Hours Per Year: 8760

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Solvent in Coating	Used	5.22	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: MAT. BALANCE			0	5.22	5.22	TONs	based on 1580 gallons of stoddard/year x 6.61 lbs OC/year
Pb - Lead	7439921	X emissions: ENG. JUDGEMENT			0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X emissions: ENG. JUDGEMENT			0	0	0.	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: MAT. BALANCE			0	5.22	5.22	TONs	based on 1580 gallons of stoddard/year x 6.61 lbs OC/year

Ammonia	NH3	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
CO - Carbon Monoxide	CO	emissions: ENG. JUDGEMENT			0	0	0.	TONs	
Total of Chargable Pollutants							5.22	TONS	