

SMTV FER/EIS Emissions Report (201625) for 2010
Tube City IMS - AK
1409010908
April 07, 2011

2010 Emissions Summary Report : 201625

Oct 11 2011, 10:13:53

- Report Data

Report Category: SMTV

Submitted Date: 04/07/2011

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.	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	22.71	0.	22.71	TONs
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		9.34	0.	9.34	TONs
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		3.09	0.	3.09	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					22.71	TONS

- Attachments

Description	Type	Public Document	Trade Secret Document	Trade secret Justification
AK Middletown, OH (MR) RY2010 FER Calculations	Calculations	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
F003	Less Than Reporting Requirement	Tundish Lancing
F004	Less Than Reporting Requirement	Mill Scale/Kish Processing Plant
F006	Less Than Reporting Requirement	BOF Slag Pot Dumping Station
F007	Less Than Reporting Requirement	Kish Dumping Station
F008	Less Than Reporting Requirement	Drop Ball Pit
Z001	Less Than Reporting Requirement	BOF Slag Processing Plant
Z002	Less Than Reporting Requirement	BF Slag Processing Plant
Z008	Less Than Reporting Requirement	Tundish Lancing
Z012	Less Than Reporting Requirement	Diesel Fuel Storage and Dispensing (Above ground)
Z013	Less Than Reporting Requirement	Gasoline Fuel Storage (Above ground)
Z014	Less Than Reporting Requirement	Gasoline Fuel Dispensing

Report Pollutant Summary: Total Emissions (Tons)

Unit	SCC Id	PM-CON	SO2	NOX	OC	7439921	PM-FIL	PM10-FIL	PM25-FIL	VOC	NH3	CO
F001	3-03-009-24	0.	0.	0.	0.	0.	1.48	0.7	0.16	0.	0.	0.
F002	3-03-009-24	0.	0.	0.	0.	0.	1.54	0.73	0.26	0.	0.	0.
F005	3-03-009-24	0.	0.	0.	0.	0.	6.53	3.04	1.18	0.	0.	0.
F009	3-03-009-24	0.	0.	0.	0.	0.	8.12	3.84	1.21	0.	0.	0.
F010	3-03-008-33	0.	0.	0.	0.	0.	5.04	1.03	0.28	0.	0.	0.
Total		0.	0.	0.	0.	0.	22.71	9.34	3.09	0.	0.	0.

Emission Unit Summary: F001

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Emissions Unit ID: F001

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	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	1.48	0	1.48	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.70	0	0.7	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.16	0	0.16	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					1.48	TONS	

- Processes

- Process & Emissions Detail

Name: F001-0

Source Classification Code (SCC): 3-03-009-24

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 3100

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Produced	478331	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			1.48	0	1.48	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.70	0	0.7	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.16	0	0.16	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							1.48	TONs	

Emission Unit Summary: F002

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Emissions Unit ID: F002

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	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	1.54	0	1.54	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		0.73	0	0.73	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.26	0	0.26	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					1.54	TONS	

- Processes

- Process & Emissions Detail

Name: F002-1

Source Classification Code (SCC): 3-03-009-24

- Material Information, Annual Average Operating Schedule & Throughput Percent

Schedule Trade Secret:

Hours Per Day: 10

Days Per Week: 6

Weeks Per Year: 52

Hours Per Year: 3100

Winter (Dec - Feb)%: 25

Spring (March-May)%: 25

Summer (June-Aug)%: 25

Fall (Sept-Nov)%: 25

Material	Material Action	Throughput	X Units
Material	Produced	376471	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			1.54	0	1.54	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			0.73	0	0.73	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.26	0	0.26	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							1.54	TONS	

Emission Unit Summary: F005

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Emissions Unit ID: F005

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	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	6.53	0	6.53	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		3.04	0	3.04	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		1.18	0	1.18	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					6.53	TONS	

- Processes

- Process & Emissions Detail

Name: F005-4

Source Classification Code (SCC): 3-03-009-24

- 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
Material	Produced	432306	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			6.53	0	6.53	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			3.04	0	3.04	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			1.18	0	1.18	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							6.53	TONS	

Emission Unit Summary: F009

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Emissions Unit ID: F009

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	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	8.12	0	8.12	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		3.84	0	3.84	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		1.21	0	1.21	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					8.12	TONS	

- Processes

- Process & Emissions Detail

Name: F009-8

Source Classification Code (SCC): 3-03-009-24

- 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
Material	Produced	943036	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			8.12	0	8.12	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			3.84	0	3.84	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			1.21	0	1.21	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							8.12	TONS	

Emission Unit Summary: F010

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Emissions Unit ID: F010

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	0	0.	TONs	
Pb - Lead	7439921	X	0	0	0.	TONs	
PE (Filt) - Primary PM, Filterable Portion Only	PM-FIL	X	5.04	0	5.04	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL		1.03	0	1.03	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL		0.28	0	0.28	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					5.04	TONS	

- Processes

- Process & Emissions Detail

Name: F010-9

Source Classification Code (SCC): 3-03-008-33

- 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
Vehicle	Travelled	99571	MILES

- 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			5.04	0	5.04	TONs	
PM10 (Filt) - Primary PM10, Filterable Portion Only	PM10-FIL	emissions: ENG. JUDGEMENT			1.03	0	1.03	TONs	
PM2.5 (FILT) - Primary PM2.5, Filterable Portion Only	PM25-FIL	emissions: ENG. JUDGEMENT			0.28	0	0.28	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							5.04	TONS	