

Emission Year: 2015  
 Primary Facility Id: 50751 ERIE COKE CORP/ERIE PLT  
 Tax Id/Plant: 25-1547051-7

**031 - ERIE CITY BOILER 1**

Pollutant	CAS#	Reliability Code	Amount TPY
Ammonia	7664417	C RATED FACTOR	0.0351
CO	630080	STACK TEST	4.8000
NOX	10102440	STACK TEST	11.7000
PM2.5		RATED EFFICIENCY	2.1000
SOX	7446095	RATED EFFICIENCY	51.2000
VOC		E RATED FACTOR	0.1339
└ Butane	106978	E RATED FACTOR	0.0231
└ Formaldehyde	50000	B RATED FACTOR	0.0008
└ Hexane	110543	E RATED FACTOR	0.0198
└ Pentane	109660	E RATED FACTOR	0.0285
└ Propane	74986	E RATED FACTOR	0.0176
VOC		C RATED FACTOR	0.0604
└ Butane	106978	E RATED FACTOR	0.0231
└ Formaldehyde	50000	B RATED FACTOR	0.0008
└ Hexane	110543	E RATED FACTOR	0.0198
└ Pentane	109660	E RATED FACTOR	0.0285
└ Propane	74986	E RATED FACTOR	0.0176
PM10		RATED EFFICIENCY	2.1000
└ Zinc	7440666	E RATED FACTOR	0.0002
Carbon Dioxide	124389	RATED EFFICIENCY	6,905.5000
Ethane	74840	E RATED FACTOR	0.0340
Methane	74828	RATED EFFICIENCY	0.1000

**VOC/PM10 Summary**

Sum of VOC HAPS: 0.1796

Sum of PM10 HAPS: 0.0002

**032 - ERIE CITY BOILER 2**

Pollutant	CAS#	Reliability Code	Amount TPY
Ammonia	7664417	C RATED FACTOR	0.0803
CO	630080	STACK TEST	36.1000
NOX	10102440	STACK TEST	25.0000
PM2.5		RATED EFFICIENCY	4.4000

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<b>032 - ERIE CITY BOILER 2</b>			
<b>Pollutant</b>	<b>CAS#</b>	<b>Reliability Code</b>	<b>Amount TPY</b>
SOX	7446095	RATED EFFICIENCY	107.2000
VOC		E RATED FACTOR	0.2801
└ Benzene	71432	B RATED FACTOR	0.0001
└ Butane	106978	E RATED FACTOR	0.0527
└ Formaldehyde	50000	B RATED FACTOR	0.0018
└ Hexane	110543	E RATED FACTOR	0.0452
└ Pentane	109660	E RATED FACTOR	0.0653
└ Propane	74986	E RATED FACTOR	0.0402
└ Toluene	108883	C RATED FACTOR	0.0001
VOC		C RATED FACTOR	0.1380
└ Benzene	71432	B RATED FACTOR	0.0001
└ Butane	106978	E RATED FACTOR	0.0527
└ Formaldehyde	50000	B RATED FACTOR	0.0018
└ Hexane	110543	E RATED FACTOR	0.0452
└ Pentane	109660	E RATED FACTOR	0.0653
└ Propane	74986	E RATED FACTOR	0.0402
└ Toluene	108883	C RATED FACTOR	0.0001
PM10		RATED EFFICIENCY	4.4000
└ Barium	7440393	D RATED FACTOR	0.0001
└ Nickel	7440020	C RATED FACTOR	0.0001
└ Vanadium	7440622	D RATED FACTOR	0.0001
└ Zinc	7440666	E RATED FACTOR	0.0005
Carbon Dioxide	124389	MEASURED MATERIAL BALANCE	14,706.2000
Ethane	74840	E RATED FACTOR	0.0778
Methane	74828	MEASURED MATERIAL BALANCE	0.2000
Nitrous Oxide	10024972	MEASURED MATERIAL BALANCE	0.1000
<b>VOC/PM10 Summary</b>			
Sum of VOC HAPS: 0.4108		Sum of PM10 HAPS: 0.0008	

<b>101 - PARTS CLEANER</b>			
<b>Pollutant</b>	<b>CAS#</b>	<b>Reliability Code</b>	<b>Amount TPY</b>

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101 - PARTS CLEANER		
VOC	MEASURED MATERIAL BALANCE	3.3000
<b>VOC/PM10 Summary</b>		
Sum of VOC HAPS:		Sum of PM10 HAPS:

802 - COKE OVEN BATTERY - PUSHING OPERATIONS			
Pollutant	CAS#	Reliability Code	Amount TPY
Ammonia	7664417	RATED EFFICIENCY	1.1000
CO	630080	RATED EFFICIENCY	5.7000
NOX	10102440	RATED EFFICIENCY	1.7000
PM2.5		STACK TEST	2.0000
SOX	7446095	RATED EFFICIENCY	8.8000
VOC		RATED EFFICIENCY	6.9000
└ Benzene	71432	MEASURED MATERIAL BALANCE	5.0000
PM10		STACK TEST	3.7000
Carbon Dioxide	124389	RATED EFFICIENCY	1,441.9000
PM-CON		STACK TEST	0.4000
<b>VOC/PM10 Summary</b>			
Sum of VOC HAPS:	5.0000		Sum of PM10 HAPS:

803 - COKE QUENCHING OPERATIONS			
Pollutant	CAS#	Reliability Code	Amount TPY
PM2.5		RATED EFFICIENCY	1.7000
VOC		MEASURED MATERIAL BALANCE	1.8000
PM10		RATED EFFICIENCY	2.7000
<b>VOC/PM10 Summary</b>			
Sum of VOC HAPS:			Sum of PM10 HAPS:

804 - COAL UNLOADING			
Pollutant	CAS#	Reliability Code	Amount TPY
PM2.5		RATED EFFICIENCY	0.6000
PM10		RATED EFFICIENCY	3.2000

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<b>804 - COAL UNLOADING</b>			
<b>VOC/PM10 Summary</b>			
Sum of VOC HAPS:		Sum of PM10 HAPS:	

<b>805 - COKE OVEN BATTERY - UNDERFIRING SYSTEM</b>			
Pollutant	CAS#	Reliability Code	Amount TPY
CO	630080	STACK TEST	13.7000
NOX	10102440	STACK TEST	63.9000
PM2.5		STACK TEST	29.3000
SOX	7446095	STACK TEST	97.1000
VOC		STACK TEST	14.8000
└ 1,3-Butadiene	106990	STACK TEST	0.2000
└ Benzene	71432	STACK TEST	1.5000
└ Carbon Disulfide	75150	STACK TEST	0.2000
└ Methanol	67561	STACK TEST	0.3000
└ Methyl Chloride Chloromethane	74873	STACK TEST	0.2000
└ Naphthalene	91203	STACK TEST	0.1000
└ Phenol	108952	STACK TEST	0.1000
└ Toluene	108883	STACK TEST	0.3000
└ Xylenes (Isomers And Mixture)	1330207	STACK TEST	0.3000
PM10		STACK TEST	30.0000
Carbon Dioxide	124389	RATED EFFICIENCY	26,362.4000
Hydrochloric Acid	7647010	STACK TEST	3.0000
Hydrocyanic Acid	74908	STACK TEST	0.3000
Methane	74828	RATED EFFICIENCY	0.3000
Nitrous Oxide	10024972	RATED EFFICIENCY	0.1000
PM-CON		RATED EFFICIENCY	18.8000
<b>VOC/PM10 Summary</b>			
Sum of VOC HAPS:	3.2000	Sum of PM10 HAPS:	

<b>806 - COKE OVEN BATTERY - OVEN/DOOR LEAKS</b>			
Pollutant	CAS#	Reliability Code	Amount TPY
Ammonia	7664417	RATED EFFICIENCY	0.1000

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**806 - COKE OVEN BATTERY - OVEN/DOOR LEAKS**

Pollutant	CAS#	Reliability Code	Amount TPY
CO	630080	RATED EFFICIENCY	0.5000
PM2.5		RATED EFFICIENCY	0.2000
SOX	7446095	RATED EFFICIENCY	1.4000
VOC		RATED EFFICIENCY	12.0000
└ Ethylene	74851	MEASURED MATERIAL BALANCE	2.0000
└ Methanol	67561	MEASURED MATERIAL BALANCE	2.7000
└ Naphthalene	91203	MEASURED MATERIAL BALANCE	2.0000
PM10		RATED EFFICIENCY	4.7000
└ Coke Oven Emissions	8007452	MEASURED MATERIAL BALANCE	0.5000
Carbon Dioxide	124389	RATED EFFICIENCY	0.2000
Hydrochloric Acid	7647010	MEASURED MATERIAL BALANCE	3.0000
Methane	74828	RATED EFFICIENCY	1.2000
PM-CON		RATED EFFICIENCY	0.4000

**VOC/PM10 Summary**

Sum of VOC HAPS: 6.7000

Sum of PM10 HAPS: 0.5000

**807 - COKE OVEN BATTERY - TOPSIDE LEAKS**

Pollutant	CAS#	Reliability Code	Amount TPY
CO	630080	RATED EFFICIENCY	0.1000
PM2.5		RATED EFFICIENCY	1.4000
SOX	7446095	RATED EFFICIENCY	0.2000
VOC		RATED EFFICIENCY	0.2000
PM10		RATED EFFICIENCY	1.4000
└ Coke Oven Emissions	8007452	U UNRATED FACTOR	0.3208

**VOC/PM10 Summary**

Sum of VOC HAPS:

Sum of PM10 HAPS: 0.3208

**808 - COKE DUMPING, SCREENING, & LOADING INTO TRUCKS**

Pollutant	CAS#	Reliability Code	Amount TPY
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<b>808 COKE DUMPING, SCREENING &amp; LOADING INTO TRUCKS</b>			
<b>Pollutant</b>	<b>CAS#</b>	<b>Reliability Code</b>	<b>Amount TPY</b>
PM2.5		MEASURED MATERIAL BALANCE	0.5000
PM10		MEASURED MATERIAL BALANCE	3.0000
<b>VOC/PM10 Summary</b>			
Sum of VOC HAPS:		Sum of PM10 HAPS:	