

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

Carbon Monoxide CAS# 630080 [CO]				
Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	STACK TEST	4.8000
032	*	S032	STACK TEST	36.1000
802	3-03-003-03	S802	RATED EFFICIENCY	5.7000
805	3-90-007-02	S805A	STACK TEST	13.7000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.5000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.1000
Total CO Source Emissions:				60.9000

Nitrogen Oxides CAS# 10102440 [NOX]				
Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	STACK TEST	11.7000
032	*	S032	STACK TEST	25.0000
802	3-03-003-03	S802	RATED EFFICIENCY	1.7000
805	3-90-007-02	S805A	STACK TEST	63.9000
Total NOX Source Emissions:				102.3000

Particulate Matter < 10 Microns [PM10]				
Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	2.1000
032	*	S032	RATED EFFICIENCY	4.4000
802	3-03-003-03	S802	STACK TEST	3.7000
803	3-03-003-04	Z803	RATED EFFICIENCY	2.7000
804	3-03-003-05	Z804	RATED EFFICIENCY	3.2000
805	3-90-007-02	S805A	STACK TEST	30.0000
806	3-03-003-08	Z806	RATED EFFICIENCY	4.7000
807	3-03-003-14	Z807	RATED EFFICIENCY	1.4000
808	3-03-003-12	Z808	MEASURED MATERIAL BALANCE	3.0000
Total PM10 Source Emissions:				55.2000

Particulate Matter < 2.5 Microns [PM25]				
Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	2.1000
032	*	S032	RATED EFFICIENCY	4.4000
802	3-03-003-03	S802	STACK TEST	2.0000
803	3-03-003-04	Z803	RATED EFFICIENCY	1.7000
804	3-03-003-05	Z804	RATED EFFICIENCY	0.6000
805	3-90-007-02	S805A	STACK TEST	29.3000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.2000
807	3-03-003-14	Z807	RATED EFFICIENCY	1.4000
808	3-03-003-12	Z808	MEASURED MATERIAL BALANCE	0.5000

* Source Emission entered at source level. Multiple SCCs may exist.

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Particulate Matter < 2.5 Microns [PM25]

Source	SCC	Stack	Reliability	Amount TPY
Total PM25 Source Emissions:				42.2000

Sulfur Oxides CAS# 7446095 [SOX]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	51.2000
032	*	S032	RATED EFFICIENCY	107.2000
802	3-03-003-03	S802	RATED EFFICIENCY	8.8000
805	3-90-007-02	S805A	STACK TEST	97.1000
806	3-03-003-08	Z806	RATED EFFICIENCY	1.4000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.2000
Total SOX Source Emissions:				265.9000

Volatile Organic Compounds [VOC]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	C RATED FACTOR	0.0604
031	1-02-007-07	S031	E RATED FACTOR	0.1339
032	1-02-006-02	S032	C RATED FACTOR	0.1380
032	1-02-007-07	S032	E RATED FACTOR	0.2801
101	4-01-002-01	Z101	MEASURED MATERIAL BALANCE	3.3000
802	3-03-003-03	S802	RATED EFFICIENCY	6.9000
803	3-03-003-04	Z803	MEASURED MATERIAL BALANCE	1.8000
805	3-90-007-02	S805A	STACK TEST	14.8000
806	3-03-003-08	Z806	RATED EFFICIENCY	12.0000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.2000
Total VOC Source Emissions:				39.6124

Butane CAS# 106978 [A242]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0231
032	1-02-006-02	S032	E RATED FACTOR	0.0527
Total A242 Source Emissions:				0.0758

Ethane CAS# 74840 [A265]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0340
032	1-02-006-02	S032	E RATED FACTOR	0.0778
Total A265 Source Emissions:				0.1118

Ethylene CAS# 74851 [A271]

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Ethylene CAS# 74851 [A271]

Source	SCC	Stack	Reliability	Amount TPY
806	3-03-003-08	Z806	MEASURED MATERIAL BALANCE	2.0000
Total A271 Source Emissions:				2.0000

Hydrocyanic Acid CAS# 74908 [A281]

Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.3000
Total A281 Source Emissions:				0.3000

Methane CAS# 74828 [A303]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	0.1000
032	*	S032	MEASURED MATERIAL BALANCE	0.2000
805	3-90-007-02	S805A	RATED EFFICIENCY	0.3000
806	3-03-003-08	Z806	RATED EFFICIENCY	1.2000
Total A303 Source Emissions:				1.8000

Pentane CAS# 109660 [A319]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0285
032	1-02-006-02	S032	E RATED FACTOR	0.0653
Total A319 Source Emissions:				0.0938

Propane CAS# 74986 [A328]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0176
032	1-02-006-02	S032	E RATED FACTOR	0.0402
Total A328 Source Emissions:				0.0578

Ammonia CAS# 7664417 [A401]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	C RATED FACTOR	0.0351
032	1-02-006-02	S032	C RATED FACTOR	0.0803
802	3-03-003-03	S802	RATED EFFICIENCY	1.1000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.1000
Total A401 Source Emissions:				1.3154

Carbon Dioxide CAS# 124389 [CO2]

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Carbon Dioxide CAS# 124389 [CO2]					
Source	SCC	Stack	Reliability	Amount TPY	
031	*	S031	RATED EFFICIENCY	6,905.5000	
032	*	S032	MEASURED MATERIAL BALANCE	14,706.2000	
802	3-03-003-03	S802	RATED EFFICIENCY	1,441.9000	
805	3-90-007-02	S805A	RATED EFFICIENCY	26,362.4000	
806	3-03-003-08	Z806	RATED EFFICIENCY	0.2000	
Total CO2 Source Emissions:				49,416.2000	

Barium CAS# 7440393 [ELBA]					
Source	SCC	Stack	Reliability	Amount TPY	
032	1-02-006-02	S032	D RATED FACTOR	0.0001	
Total ELBA Source Emissions:				0.0001	

Nickel CAS# 7440020 [ELNI]					
Source	SCC	Stack	Reliability	Amount TPY	
032	1-02-006-02	S032	C RATED FACTOR	0.0001	
Total ELNI Source Emissions:				0.0001	

Vanadium CAS# 7440622 [ELV]					
Source	SCC	Stack	Reliability	Amount TPY	
032	1-02-006-02	S032	D RATED FACTOR	0.0001	
Total ELV Source Emissions:				0.0001	

Zinc CAS# 7440666 [ELZN]					
Source	SCC	Stack	Reliability	Amount TPY	
031	1-02-006-02	S031	E RATED FACTOR	0.0002	
032	1-02-006-02	S032	E RATED FACTOR	0.0005	
Total ELZN Source Emissions:				0.0007	

Coke Oven Emissions CAS# 8007452 [H005]					
Source	SCC	Stack	Reliability	Amount TPY	
801	3-03-003-02	Z801	BEST STACK TEST	0.5000	
806	3-03-003-08	Z806	MEASURED MATERIAL BALANCE	0.5000	
807	3-03-003-14	Z807	U UNRATED FACTOR	0.3208	
Total H005 Source Emissions:				1.3208	

Nitrous Oxide (N2O) CAS# 10024972 [N2O]					
Source	SCC	Stack	Reliability	Amount TPY	

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Nitrous Oxide (N2O) CAS# 10024972 [N2O]				
Source	SCC	Stack	Reliability	Amount TPY
032	*	S032	MEASURED MATERIAL BALANCE	0.1000
805	3-90-007-02	S805A	RATED EFFICIENCY	0.1000
Total N2O Source Emissions:				0.2000

Particulate Matter, Condensable [PMCN]				
Source	SCC	Stack	Reliability	Amount TPY
802	3-03-003-03	S802	STACK TEST	0.4000
805	3-90-007-02	S805A	RATED EFFICIENCY	18.8000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.4000
Total PMCN Source Emissions:				19.6000

1,3-Butadiene CAS# 106990 [T009]				
Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.2000
Total T009 Source Emissions:				0.2000

Carbon Disulfide CAS# 75150 [T063]				
Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.2000
Total T063 Source Emissions:				0.2000

Formaldehyde CAS# 50000 [T108]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	B RATED FACTOR	0.0008
032	1-02-006-02	S032	B RATED FACTOR	0.0018
Total T108 Source Emissions:				0.0026

Hexane CAS# 110543 [T117]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0198
032	1-02-006-02	S032	E RATED FACTOR	0.0452
Total T117 Source Emissions:				0.0650

Hydrochloric Acid CAS# 7647010 [T119]				
Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	3.0000
806	3-03-003-08	Z806	MEASURED MATERIAL BALANCE	3.0000

* Source Emission entered at source level. Multiple SCCs may exist.

**Bureau of Air Quality
Best Controlled Detail by Pollutant**

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Hydrochloric Acid CAS# 7647010 [T119]

Source	SCC	Stack	Reliability	Amount TPY
Total T119 Source Emissions:				6.0000

Methanol CAS# 67561 [T130]

Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.3000
806	3-03-003-08	Z806	MEASURED MATERIAL BALANCE	2.7000
Total T130 Source Emissions:				3.0000

Methyl Chloride (Chloromethane) CAS# 74873 [T133]

Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.2000
Total T133 Source Emissions:				0.2000

Naphthalene CAS# 91203 [T148]

Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.1000
806	3-03-003-08	Z806	MEASURED MATERIAL BALANCE	2.0000
Total T148 Source Emissions:				2.1000

Phenol CAS# 108952 [T161]

Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.1000
Total T161 Source Emissions:				0.1000

Toluene CAS# 108883 [T180]

Source	SCC	Stack	Reliability	Amount TPY
032	1-02-006-02	S032	C RATED FACTOR	0.0001
805	3-90-007-02	S805A	STACK TEST	0.3000
Total T180 Source Emissions:				0.3001

Xylenes (Isomers And Mixture) CAS# 1330207 [T189]

Source	SCC	Stack	Reliability	Amount TPY
805	3-90-007-02	S805A	STACK TEST	0.3000
Total T189 Source Emissions:				0.3000

Benzene CAS# 71432 [T234]

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Benzene CAS# 71432 [T234]				
Source	SCC	Stack	Reliability	Amount TPY
032	1-02-006-02	S032	B RATED FACTOR	0.0001
802	3-03-003-03	S802	MEASURED MATERIAL BALANCE	5.0000
805	3-90-007-02	S805A	STACK TEST	1.5000
Total T234 Source Emissions:				6.5001

* Source Emission entered at source level. Multiple SCCs may exist.

