

Emission Year: 2016
 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	15.4000
032	*	S032	STACK TEST	12.9000
802	3-03-003-03	S802	RATED EFFICIENCY	3.7000
805	3-90-007-02	S805A	STACK TEST	10.2000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.4000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.1000
Total CO Source Emissions:				42.7000

Nitrogen Oxides CAS# 10102440 [NOX]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	STACK TEST	18.6000
032	*	S032	STACK TEST	23.3000
801	3-03-003-02	Z801	C RATED FACTOR	1.7835
802	3-03-003-03	S802	RATED EFFICIENCY	1.1000
805	3-90-007-02	S805A	STACK TEST	34.7000
807	3-03-003-14	Z807	U UNRATED FACTOR	0.5945
Total NOX Source Emissions:				80.0780

Particulate Matter < 10 Microns [PM10]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	0.1000
032	*	S032	RATED EFFICIENCY	0.5000
801	3-03-003-02	Z801	U UNRATED FACTOR	0.5945
802	3-03-003-03	S802	STACK TEST	1.2000
803	3-03-003-04	Z803	RATED EFFICIENCY	1.8000
804	3-03-003-05	Z804	RATED EFFICIENCY	2.0000
805	3-90-007-02	S805A	STACK TEST	10.1000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.2000
807	3-03-003-14	Z807	RATED EFFICIENCY	15.0000
808	3-03-003-12	Z808	RATED EFFICIENCY	2.4000
Total PM10 Source Emissions:				33.8945

Particulate Matter < 2.5 Microns [PM25]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	0.1000
032	*	S032	RATED EFFICIENCY	0.5000
802	3-03-003-03	S802	STACK TEST	0.8000
803	3-03-003-04	Z803	RATED EFFICIENCY	1.1000
804	3-03-003-05	Z804	RATED EFFICIENCY	0.4000
805	3-90-007-02	S805A	STACK TEST	9.8000

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Particulate Matter < 2.5 Microns [PM25]

Source	SCC	Stack	Reliability	Amount TPY
806	3-03-003-08	Z806	RATED EFFICIENCY	0.1000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.9000
808	3-03-003-12	Z808	RATED EFFICIENCY	0.4000
Total PM25 Source Emissions:				14.1000

Sulfur Oxides CAS# 7446095 [SOX]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	3.1000
032	*	S032	RATED EFFICIENCY	4.2000
801	3-03-003-02	Z801	C RATED FACTOR	1.1890
802	3-03-003-03	S802	RATED EFFICIENCY	5.8000
805	3-90-007-02	S805A	STACK TEST	72.0000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.9000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.1000
Total SOX Source Emissions:				87.2890

Volatile Organic Compounds [VOC]

Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	0.2000
032	*	S032	RATED EFFICIENCY	0.3000
101	4-01-002-01	Z101	RATED EFFICIENCY	4.2000
802	3-03-003-03	S802	RATED EFFICIENCY	4.6000
803	3-03-003-04	Z803	RATED EFFICIENCY	1.2000
805	3-90-007-02	S805A	STACK TEST	11.0000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.9000
807	3-03-003-14	Z807	RATED EFFICIENCY	0.1000
904	3-03-003-15	S805A	RATED EFFICIENCY	0.0980
904	3-03-003-15	Z904	RATED EFFICIENCY	0.0010
Total VOC Source Emissions:				22.5990

Butane CAS# 106978 [A242]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0780
032	1-02-006-02	S032	E RATED FACTOR	0.0862
Total A242 Source Emissions:				0.1642

Ethane CAS# 74840 [A265]

Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.1152

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Ethane CAS# 74840 [A265]				
Source	SCC	Stack	Reliability	Amount TPY
032	1-02-006-02	S032	E RATED FACTOR	0.1272
Total A265 Source Emissions:				0.2424

Methane CAS# 74828 [A303]				
Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	0.1000
032	*	S032	RATED EFFICIENCY	0.2000
805	3-90-007-02	S805A	RATED EFFICIENCY	0.2000
806	3-03-003-08	Z806	RATED EFFICIENCY	1.1000
Total A303 Source Emissions:				1.6000

Pentane CAS# 109660 [A319]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0966
032	1-02-006-02	S032	E RATED FACTOR	0.1067
Total A319 Source Emissions:				0.2033

Propane CAS# 74986 [A328]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0594
032	1-02-006-02	S032	E RATED FACTOR	0.0657
Total A328 Source Emissions:				0.1251

Ammonia CAS# 7664417 [A401]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	C RATED FACTOR	0.1189
032	1-02-006-02	S032	C RATED FACTOR	0.1313
802	3-03-003-03	S802	RATED EFFICIENCY	0.7000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.1000
Total A401 Source Emissions:				1.0502

Carbon Dioxide CAS# 124389 [CO2]				
Source	SCC	Stack	Reliability	Amount TPY
031	*	S031	RATED EFFICIENCY	9,268.7000
032	*	S032	RATED EFFICIENCY	11,420.6000
802	3-03-003-03	S802	RATED EFFICIENCY	951.2000
805	3-90-007-02	S805A	RATED EFFICIENCY	20,029.0000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.2000

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

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Carbon Dioxide CAS# 124389 [CO2]				
Source	SCC	Stack	Reliability	Amount TPY
Total CO2 Source Emissions:				41,669.7000

Barium CAS# 7440393 [ELBA]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	D RATED FACTOR	0.0002
032	1-02-006-02	S032	D RATED FACTOR	0.0002
Total ELBA Source Emissions:				0.0004

Chromium CAS# 7440473 [ELCR]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	D RATED FACTOR	0.0001
032	1-02-006-02	S032	D RATED FACTOR	0.0001
Total ELCR Source Emissions:				0.0002

Nickel CAS# 7440020 [ELNI]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	C RATED FACTOR	0.0001
032	1-02-006-02	S032	C RATED FACTOR	0.0001
Total ELNI Source Emissions:				0.0002

Vanadium CAS# 7440622 [ELV]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	D RATED FACTOR	0.0001
032	1-02-006-02	S032	D RATED FACTOR	0.0001
Total ELV Source Emissions:				0.0002

Zinc CAS# 7440666 [ELZN]				
Source	SCC	Stack	Reliability	Amount TPY
031	1-02-006-02	S031	E RATED FACTOR	0.0007
032	1-02-006-02	S032	E RATED FACTOR	0.0008
Total ELZN Source Emissions:				0.0015

Coke Oven Emissions CAS# 8007452 [H005]				
Source	SCC	Stack	Reliability	Amount TPY
801	3-03-003-02	Z801	U UNRATED FACTOR	5.9451
806	3-03-003-08	Z806	U UNRATED FACTOR	15.4571
807	3-03-003-14	Z807	U UNRATED FACTOR	0.2378

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Coke Oven Emissions CAS# 8007452 [H005]

Source	SCC	Stack	Reliability	Amount TPY
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Total H005 Source Emissions: **21.6400**

Nitrous Oxide (N2O) CAS# 10024972 [N2O]

Source	SCC	Stack	Reliability	Amount TPY
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031	*	S031	RATED EFFICIENCY	0.1000
032	*	S032	RATED EFFICIENCY	0.1000

Total N2O Source Emissions: **0.2000**

Particulate Matter, Condensable [PMCN]

Source	SCC	Stack	Reliability	Amount TPY
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802	3-03-003-03	S802	STACK TEST	0.2000
805	3-90-007-02	S805A	RATED EFFICIENCY	6.3000
806	3-03-003-08	Z806	RATED EFFICIENCY	0.4000

Total PMCN Source Emissions: **6.9000**

Formaldehyde CAS# 50000 [T108]

Source	SCC	Stack	Reliability	Amount TPY
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031	1-02-006-02	S031	B RATED FACTOR	0.0026
032	1-02-006-02	S032	B RATED FACTOR	0.0029

Total T108 Source Emissions: **0.0055**

Hexane CAS# 110543 [T117]

Source	SCC	Stack	Reliability	Amount TPY
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031	1-02-006-02	S031	E RATED FACTOR	0.0669
032	1-02-006-02	S032	E RATED FACTOR	0.0739

Total T117 Source Emissions: **0.1408**

Toluene CAS# 108883 [T180]

Source	SCC	Stack	Reliability	Amount TPY
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031	1-02-006-02	S031	C RATED FACTOR	0.0001
032	1-02-006-02	S032	C RATED FACTOR	0.0001

Total T180 Source Emissions: **0.0002**

Benzene CAS# 71432 [T234]

Source	SCC	Stack	Reliability	Amount TPY
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031	1-02-006-02	S031	B RATED FACTOR	0.0001
032	1-02-006-02	S032	B RATED FACTOR	0.0001

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Benzene CAS# 71432 [T234]				
Source	SCC	Stack	Reliability	Amount TPY
Total T234 Source Emissions:				0.0002

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