

Bureau of Air Quality
Best Controlled Detail by Pollutant

facts # 2501391

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 | 0.2000 |
| 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: | | | | 50.7000 |

| 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 | 1.0000 |
| 807 | 3-03-003-14 | Z807 | RATED EFFICIENCY | 0.2000 |
| Total VOC Source Emissions: | | | | 28.6124 |

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 |

Methane CAS# 74828 [A303]

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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]

| 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 |

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

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Barium CAS# 7440393 [ELBA]

| Source | SCC | Stack | Reliability | Amount TPY |
|------------------------------|-----|-------|-------------|---------------|
| 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 | U UNRATED FACTOR | 8.0208 |
| 806 | 3-03-003-08 | Z806 | U UNRATED FACTOR | 20.8542 |
| 807 | 3-03-003-14 | Z807 | U UNRATED FACTOR | 0.3208 |
| Total H005 Source Emissions: | | | | 29.1958 |

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 |

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

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| 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 |

| Toluene CAS# 108883 [T180] | | | | |
|-----------------------------------|-------------|-------|----------------|---------------|
| Source | SCC | Stack | Reliability | Amount TPY |
| 032 | 1-02-006-02 | S032 | C RATED FACTOR | 0.0001 |
| Total T180 Source Emissions: | | | | 0.0001 |

| Benzene CAS# 71432 [T234] | | | | |
|----------------------------------|-------------|-------|----------------|---------------|
| Source | SCC | Stack | Reliability | Amount TPY |
| 032 | 1-02-006-02 | S032 | B RATED FACTOR | 0.0001 |
| Total T234 Source Emissions: | | | | 0.0001 |

