# Facility General Information

**General facility information to review and update (please use red or blue ink to update).**

## Section 1: Facility Identifactio

| | | | |
|---|---|---|---|
| **a.) County Code:** | 167 | **b.) Plant ID:** | 00120 |
| **c.) Facility Name:** | CSN,LLC | | |

## Section 2: Physical Address:

| | |
|---|---|
| **a.) Source Address:** | 455 WEST INDUSTRIAL DRIVE |
| **b.) Source City and Zip Code:** | TERRE HAUTE, 47802 |

## Section 3: Mailing Address:

| | |
|---|---|
| **a.) Corporate Name:** | |
| **b.) Mailing Address:** | |
| **c.) Mailing City, State, Zip Code:** | , |

## Section 4: Source Location

| | | | | |
|---|---|---|---|---|
| **a.)** | **UTM Vertical:** | 4355 | **UTM Horizontal:** | 464.1 |
| **b.)** | **Latitude:** | 392043 | **Longitude:** | 872500 |

## Section 5: Industrial Classificatio

| | | | |
|---|---|---|---|
| **a.)** | **Primary NAICS Code:** | 331221 | Rolled Steel Shape Manufacturing |
| **b.)** | **Primary SIC Code:** | 3316 | Cold-Rolled Steel Sheet, Strip, and Bars |

## Section 6: Contact Informatio

| | | |
|---|---|---|
| **a.)** | **Emissions Contact Official and Title:** | KEVIN YOUNG/JAMES ROYCE, OPER |
| **b.)** | **Emissions Contact Phone Number:** | (812) 299-8866 |
| **c.)** | **Emissions Contact Fax Number:** | (812) 299-8848 |
| **d.)** | **Emissions Contact E-Mail Address:** | |
| **e.)** | **Year of Inventory:** | 2002 |
| **f.)** | **Date Updated** | |
| **g.)** | **Signature:** | |

# Stack Parameters

**Stack Information to Review and Update (please use red or blue ink to update). Use a blank form to add stacks.**

## Section 7: Stack Information

| a.) ID # | b.) Description | c.) Height (ft) | d.) Diameter (ft) | e.) Flow (acfm) | f.) Temp (f) | g.) UTM Vertical or Latitude | h.) UTM Horizontal or |
|---|---|---|---|---|---|---|---|
| 1 | PICKLE LINE WET SCRUBBER | 94 | 2.33 | 13000 | 185 | 392040 | 872516 |
| 2 | GALV. - DIRECT FIRE ZONE | 126 | 7.3 | 58400 | 800 | 392037 | 872516 |
| 3 | GALV. - RADIANT HEAT TUBE | 126 | 3 | 20000 | 800 | 392037 | 872516 |
| 4 | COLD MILL PPS | 75 | 9 | 13000 | 140 | 392043 | 872500 |
| 6 | GALV. - MIST ELIMINATOR | 100 | 2 | 8500 | 160 | 392037 | 872512 |
| 7 | PICKLE LINE SCALE BREAKER | 24 | 2.08 | 10590 | 100 | 392059 | 872525 |
| 51 | PACKAGE BOILER #1 | 43 | 2 | 31280 | 385 | 392040 | 872516 |
| 52 | PACKAGE BOILER #2 | 43 | 2 | 31280 | 385 | 392040 | 872516 |

# Abatement Equipment Information

**Abatement equipment information to review and update (please use red or blue ink to update). Use a blank form to add abatement equipment.**

## Section 8: Abatement Equipment

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 1 | 001 | WET SCRUBBER - HIGH EFFICIENCY - PL1, 1 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| PT | TOTAL PARTICULATE MATTER | 99.3 |
| PM10 | PARTICULATE MATTER 10 | 99.3 |
| 7647010 | HYDROCHLORIC ACID | 99.3 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 2 | 024 | MODIFIED FURNACE OR BURNER DES - BR1, 2 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| NO2 | NITROGEN DIOXIDE | 50 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 3 | 024 | MODIFIED FURNACE OR BURNER DES - GL1, 3 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| NO2 | NITROGEN DIOXIDE | 50 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 4 | 024 | MODIFIED FURNACE OR BURNER DES - GL2, 4 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| NO2 | NITROGEN DIOXIDE | 50 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 5 | 014 | MIST ELIMINATOR - HIGH VELOCIT - GL3, 5 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| PT | TOTAL PARTICULATE MATTER | 99 |
| PM10 | PARTICULATE MATTER 10 | 99 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 6 | 024 | MODIFIED FURNACE OR BURNER DES - BR2, 2 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| NO2 | NITROGEN DIOXIDE | 50 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 7 | 024 | MODIFIED FURNACE OR BURNER DES - SH , 8 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| NO2 | NITROGEN DIOXIDE | 50 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 8 | 018 | FABRIC FILTER - LOW TEMPERATUR - PL2, 7 |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| PT | TOTAL PARTICULATE MATTER | 99.5 |
| PM10 | PARTICULATE MATTER 10 | 99.5 |

| a.) Abatement ID | b.) Equipment Code | c.) Abatement Equipment Description |
|---|---|---|
| 9 | 018 | FABRIC FILTER - LOW TEMPERATURE |

| d.) Pollutant | Pollutant Description | e.) Abatement Efficiency |
|---|---|---|
| PT | TOTAL PARTICULATE MATTER | 99 |
| PM10 | PARTICULATE MATTER 10 | 99 |

## Group/Process/Emissions Information

**Please complete information for Groups, Processes and Emissions (please use red or blue ink to update). All highlighted items must be completed. Use a blank form to add groups, processes, and**

### Section 9: Group Information

| a.) Group Number: BR1 | b.) Description: PACKAGE BOILER #1 | | |
|---|---|---|---|
| Operating Schedule: c.) Hours/Day: | d.) Days/Week: | e.) Weeks/Year: | f.) Hours/Year: |
| Quarterly Operating Schedule (Must equal 100%) | | | |
| g.) 1st Qtr (%): | h.) 2nd Qtr (%): | i.) 3rd Qtr (%): | j.) 4th Qtr (%): |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 2 | b.) Description: PACKAGE BOILER #1 | |
| c.) Source Classification Code (SCC): 10200602 | d.) Units: Million Cubic Feet Burned | |
| e.) Stack Number: 51 | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** |
| j.) Maximum Operation Rate (Units/Hour): .03348 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 2 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| CO | CARBON MONOXIDE | 8 | 35.0 | 0 | |
| NO2 | NITROGEN DIOXIDE | 9 | 50.0 | 50 | |
| PM10 | PARTICULATE MATTER 10 | 8 | 3.0 | 0 | |
| PT | TOTAL PARTICULATE MATTER | 8 | 3.0 | 0 | |
| SO2 | SULFUR DIOXIDE | 8 | 0.6 | 0 | |
| VOC | VOLATILE ORGANIC COMPOUNDS | 8 | 2.8 | 0 | |

## Section 9: Group Information

| | | | |
|---|---|---|---|
| **a.) Group Number:** BR2 | **b.) Description:** PACKAGE BOILER #2 | | |
| **Operating Schedule: c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 2 | b.) Description: PACKAGE BOILER #2 | |
| c.) Source Classification Code (SCC): 10200602 | d.) Units: Million Cubic Feet Burned | |
| e.) Stack Number: 52 | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** |
| j.) Maximum Operation Rate (Units/Hour): .03348 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 6 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| CO | CARBON MONOXIDE | 8 | 35.0 | 0 | |
| NO2 | NITROGEN DIOXIDE | 9 | 50.0 | 50 | |
| PM10 | PARTICULATE MATTER 10 | 8 | 3.0 | 0 | |
| PT | TOTAL PARTICULATE MATTER | 8 | 3.0 | 0 | |
| SO2 | SULFUR DIOXIDE | 8 | 0.6 | 0 | |
| VOC | VOLATILE ORGANIC COMPOUNDS | 8 | 2.8 | 0 | |

## Section 9: Group Information

| | | | | |
|---|---|---|---|---|
| **a.) Group Number:** CM1 | **b.) Description:** COLD MILL | | | |
| **Operating Schedule:** | **c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** | |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 1 | b.) Description: COLD REVERSING MILL | |
| c.) Source Classification Code (SCC): 30300935 | d.) Units: Tons Material Produced | |
| e.) Stack Number: 4 | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** |
| j.) Maximum Operation Rate (Units/Hour): | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 9 | m.) Capture Efficiency: 99 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| PM10 | PARTICULATE MATTER 10 | 9 | 0.01 | 98.01 | |
| PT | TOTAL PARTICULATE MATTER | 9 | 0.01 | 98.01 | |
| VOC | VOLATILE ORGANIC COMPOUNDS | 1 | | 0 | |

## Section 9: Group Information

| | | | | |
|---|---|---|---|---|
| **a.) Group Number:** GL1 | **b.) Description:** GALV. - DIRECT FIRE ZONE | | | |
| **Operating Schedule:** | **c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** | |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 3 | b.) Description: GALV. - DIRECT FIRE ZONE | |
| c.) Source Classification Code (SCC): 10200602 | d.) Units: Million Cubic Feet Burned | |
| e.) Stack Number: 2 | *f.) Process Rate (throughput):* | |
| *g.) Ash Content(%):* | *h.) Sulfur Content(%):* | *i.) Heat Ratio:* |
| j.) Maximum Operation Rate (Units/Hour): .0453 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 3 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| CO | CARBON MONOXIDE | 8 | 35.0 | 0 | |
| NO2 | NITROGEN DIOXIDE | 9 | 50.0 | 50 | |
| PM10 | PARTICULATE MATTER 10 | 8 | 3.0 | 0 | |
| PT | TOTAL PARTICULATE MATTER | 8 | 3.0 | 0 | |
| SO2 | SULFUR DIOXIDE | 8 | 0.6 | 0 | |
| VOC | VOLATILE ORGANIC COMPOUNDS | 8 | 2.8 | 0 | |

## Section 9: Group Information

| | | | |
|---|---|---|---|
| **a.) Group Number:** GL2 | **b.) Description:** GALV. - RADIANT HEAT TUBE | | |
| **Operating Schedule:** **c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 4 | b.) Description: GALV. - RADIANT HEAT TUBE | |
| c.) Source Classification Code (SCC): 10200602 | d.) Units: Million Cubic Feet Burned | |
| e.) Stack Number: 3 | *f.) Process Rate (throughput):* | |
| *g.) Ash Content(%):* | *h.) Sulfur Content(%):* | *i.) Heat Ratio:* |
| j.) Maximum Operation Rate (Units/Hour): .0132 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 4 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| CO | CARBON MONOXIDE | 8 | 35.0 | 0 | |
| NO2 | NITROGEN DIOXIDE | 9 | 50.0 | 50 | |
| PM10 | PARTICULATE MATTER 10 | 8 | 3.0 | 0 | |
| PT | TOTAL PARTICULATE MATTER | 8 | 3.0 | 0 | |
| SO2 | SULFUR DIOXIDE | 8 | 0.6 | 0 | |
| VOC | VOLATILE ORGANIC COMPOUNDS | 8 | 2.8 | 0 | |

## Section 9: Group Information

| | | | | |
|---|---|---|---|---|
| **a.) Group Number:** GL3 | **b.) Description:** GALV. - LINE CLEANING | | | |
| **Operating Schedule:** | **c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** | |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 5 | b.) Description: GALV. - LINE CLEANING | |
| c.) Source Classification Code (SCC): 30901101 | d.) Units: Tons Processed | |
| e.) Stack Number: 6 | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** |
| j.) Maximum Operation Rate (Units/Hour): 70 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 5 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| PM10 | PARTICULATE MATTER 10 | 9 | .1571 | 98.99 | |
| PT | TOTAL PARTICULATE MATTER | 9 | .1571 | 98.99 | |

## Section 9: Group Information

| | | | | |
|---|---|---|---|---|
| **a.) Group Number:** PL1 | **b.) Description:** PICKLE LINE WET SCRUBBER | | | |
| **Operating Schedule:** | **c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** | |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 1 | b.) Description: PICKLE LINE | |
| c.) Source Classification Code (SCC): 30901102 | d.) Units: Tons Material Processed | |
| e.) Stack Number: 1 | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** |
| j.) Maximum Operation Rate (Units/Hour): 400 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 1 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| 7647010 | HYDROCHLORIC ACID | 9 | .0575 | 99.29 | |
| PM10 | PARTICULATE MATTER 10 | 9 | .0575 | 99.29 | |
| PT | TOTAL PARTICULATE MATTER | 9 | .0575 | 99.29 | |

## Section 9: Group Information

| | | | |
|---|---|---|---|
| **a.) Group Number:** PL2 | **b.) Description:** PICKLE LINE SCALE BREAKER | | |
| **Operating Schedule: c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** |

## Section 10. Process Information

| | | |
|---|---|---|
| a.) Process Number: 7 | b.) Description: PICKLE LINE SCALE BREAKER | |
| c.) Source Classification Code (SCC): 30999999 | d.) Units: Tons Processed | |
| e.) Stack Number: 7 | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** |
| j.) Maximum Operation Rate (Units/Hour): 400 | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 8 | m.) Capture Efficiency: 99.999 |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| PM10 | PARTICULATE MATTER 10 | 9 | .0431 | 99.49 | |
| PT | TOTAL PARTICULATE MATTER | 9 | .0431 | 99.49 | |

## Section 9: Group Information

| | | | |
|---|---|---|---|
| **a.) Group Number:** SH | **b.) Description:** 7 SPACE HEATER UNITS | | |
| **Operating Schedule: c.) Hours/Day:** | **d.) Days/Week:** | **e.) Weeks/Year:** | **f.) Hours/Year:** |
| **Quarterly Operating Schedule (Must equal 100%)** | | | |
| **g.) 1st Qtr (%):** | **h.) 2nd Qtr (%):** | **i.) 3rd Qtr (%):** | **j.) 4th Qtr (%):** |

## Section 10. Process Information

| | | | |
|---|---|---|---|
| a.) Process Number: 8 | b.) Description: 7 SPACE HEATER UNITS | | |
| c.) Source Classification Code (SCC): 10300603 | | d.) Units: Million Cubic Feet Burned | |
| e.) Stack Number: 0 | | ***f.) Process Rate (throughput):*** | |
| ***g.) Ash Content(%):*** | ***h.) Sulfur Content(%):*** | ***i.) Heat Ratio:*** | |
| j.) Maximum Operation Rate (Units/Hour): .04620 | | | |
| k.) Abatement Equipment Order 1 | l.) Abatement Equipment ID 7 | m.) Capture Efficiency: 99.999 | |

## Section 11: Emissions Information

| a.) Pollutant | Pollutant Description | b.) Estimation Method | c.) Emission Factor | d.) Overall Controll Efficiency | **e.) Emissions (tons)** |
|---|---|---|---|---|---|
| CO | CARBON MONOXIDE | 8 | 20.0 | 0 | |
| NO2 | NITROGEN DIOXIDE | 9 | 50.0 | 50 | |
| PM10 | PARTICULATE MATTER 10 | 8 | 3.0 | 0 | |
| PT | TOTAL PARTICULATE MATTER | 8 | 3.0 | 0 | |
| SO2 | SULFUR DIOXIDE | 8 | 0.6 | 0 | |
| VOC | VOLATILE ORGANIC COMPOUNDS | 8 | 5.3 | 0 | |