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:	001	**b.) Plant ID:**	00002
c.) Facility Name:	DECATUR CASTING		

Section 2: Physical Address:

a.) Source Address:	822 DAYTON AVENUE
b.) Source City and Zip Code:	DECATUR, 46733

Section 3: Mailing Address:

a.) Corporate Name:	DECATUR CASTING
b.) Mailing Address:	
c.) Mailing City, State, Zip Code:	,

Section 4: Source Location

a.)	**UTM Vertical:**	4522.528	**UTM Horizontal:**	674.252
b.)	**Latitude:**	405013	**Longitude:**	845600

Section 5: Industrial Classificatio

a.) Primary NAICS Code:	331511	Iron Foundries
b.) Primary SIC Code:	3321	Gray and Ductile Iron Foundries

Section 6: Contact Informatio

a.) Emissions Contact Official and Title:	CRAIG HAMMITT, GENERAL MANAG
b.) Emissions Contact Phone Number:	(219) 824-3800
c.) Emissions Contact Fax Number:	(219) 824-2347
d.) Emissions Contact E-Mail Address:	
e.) Year of Inventory:	2002
f.) Date Updated	
g.) Signature:	

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: 001	**b.) Description:** NATURAL GAS COMBUSTION			
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: NATURAL GAS COMBUSTION	
c.) Source Classification Code (SCC): 10500106	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): .05		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	8	100.0	0	
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	

Section 9: Group Information

a.) Group Number: 002	**b.) Description:** FOUNDRY PRODUCTION			
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: SCRAP CHARGE HANDLING	
c.) Source Classification Code (SCC): 30400315	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 10		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	8	0.36	0	
PT	TOTAL PARTICULATE MATTER	8	0.6	0	

Section 10. Process Information

a.) Process Number: 2	b.) Description: MELT - CUPOLA	
c.) Source Classification Code (SCC): 30400301	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 10		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
CO	CARBON MONOXIDE	5		0	
NO2	NITROGEN DIOXIDE	8	0.1	0	
PB	LEAD	5		0	
PM10	PARTICULATE MATTER 10	5		0	
PT	TOTAL PARTICULATE MATTER	5		0	
SO2	SULFUR DIOXIDE	8	1.250	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.18	0	

Section 10. Process Information

a.) Process Number: 3	b.) Description: OSBORNE POURING LINE	
c.) Source Classification Code (SCC): 30400320	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 10		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
NO2	NITROGEN DIOXIDE	8	0.01	0	
PM10	PARTICULATE MATTER 10	5		0	
PT	TOTAL PARTICULATE MATTER	5		0	
SO2	SULFUR DIOXIDE	8	0.02	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.14	0	

Section 10. Process Information

a.) Process Number: 4	b.) Description: OSBORNE COOLING LINE	
c.) Source Classification Code (SCC): 30400325	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 10		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	8	1.4	0	
PT	TOTAL PARTICULATE MATTER	8	1.4	0	

Section 10. Process Information

a.) Process Number: 5	b.) Description: CASTING SHAKEOUT	
c.) Source Classification Code (SCC): 30400331	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 10		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	5		0	
PT	TOTAL PARTICULATE MATTER	8	3.2	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	1.2	0	

Section 10. Process Information

a.) Process Number: 6	b.) Description: SHOT BLAST UNITS	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 5		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	5		0	
PT	TOTAL PARTICULATE MATTER	5		0	

Section 10. Process Information

a.) Process Number: 7	b.) Description: CASTING FINISHING	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 5		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	5		0	
PT	TOTAL PARTICULATE MATTER	5		0	

Section 10. Process Information

a.) Process Number: 8	b.) Description: MOLD SAND - MOLDING	
c.) Source Classification Code (SCC): 30400350	d.) Units: Tons Sand Handled	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 75		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	5		0	
PT	TOTAL PARTICULATE MATTER	5		0	

Section 10. Process Information

a.) Process Number: 9	b.) Description: NEW MOLD SAND HANDLING	
c.) Source Classification Code (SCC): 30400350	d.) Units: Tons Sand Handled	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 5		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	8	0.54	0	
PT	TOTAL PARTICULATE MATTER	5		0	

Section 10. Process Information

a.) Process Number: 10	b.) Description: NEW CORE SAND HANDLING	
c.) Source Classification Code (SCC): 30400350	d.) Units: Tons Sand Handled	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 4		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

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	8	0.54	0	
PT	TOTAL PARTICULATE MATTER	5		0	

Section 10. Process Information

a.) Process Number: 11	b.) Description: CORE MAKING	
c.) Source Classification Code (SCC): 30400371	d.) Units: Tons Cores Produced	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 2.5		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
121448	TRIETHYLAMINE	5		0	
NO2	NITROGEN DIOXIDE	8	0.5	0	
PM10	PARTICULATE MATTER 10	5		0	
PT	TOTAL PARTICULATE MATTER	5		0	
SO2	SULFUR DIOXIDE	8	0.32	0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	