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:	055	**b.) Plant ID:**	00008
c.) Facility Name:	GRIFFIN INDUSTRIES, INC. - NEWBERRY		

Section 2: Physical Address:

a.) Source Address:	CR 400 WEST
b.) Source City and Zip Code:	NEWBERRY, 47449

Section 3: Mailing Address:

a.) Corporate Name:	GRIFFIN INDUSTRIES, INC.
b.) Mailing Address:	
c.) Mailing City, State, Zip Code:	,

Section 4: Source Location

a.)	**UTM Vertical:**	4307.2	**UTM Horizontal:**	497.8
b.)	**Latitude:**	385455	**Longitude:**	870131

Section 5: Industrial Classificatio

a.) Primary NAICS Code:	311613	Rendering and Meat Byproduct Processing	
b.) Primary SIC Code:	2077	.	Animal Fats and Oils

Section 6: Contact Informatio

a.) Emissions Contact Official and Title:	F. MICHAEL SCHMIDT, ENVIRONMEN
b.) Emissions Contact Phone Number:	(859) 572-2525
c.) Emissions Contact Fax Number:	(859) 572-2572
d.) Emissions Contact E-Mail Address:	mschmidt@griffinind.com
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	JOHNSON BOILER	42	3.83	28000	331	385455	870131
2	INDUSTRIAL BOILER	69	3.83	25975	346	385455	870131
3	CLEAVER BROOKS BOILER	20	2	8760	346	385455	870131
4	ROTARY DRYER	24	3	25000	200	385455	870131

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	008	CENTRIFUGAL COLLECTOR - MEDIUM - 002, 2

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
7440439	CADMIUM	40
PB	LEAD	40
PM10	PARTICULATE MATTER 10	40
PT	TOTAL PARTICULATE MATTER	95
7439976	MERCURY	40

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
4	008	CENTRIFUGAL COLLECTOR - MEDIUM - 001, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	90
7439976	MERCURY	90
7440439	CADMIUM	90
PB	LEAD	90
PM10	PARTICULATE MATTER 10	40

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
5	016	FABRIC FILTER - HIGH TEMPERATU - 001, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
7440439	CADMIUM	99.9
PB	LEAD	99.9
PM10	PARTICULATE MATTER 10	99.9
PT	TOTAL PARTICULATE MATTER	99.9
7439976	MERCURY	99.9

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
6	041	DRY LIMESTONE INJECTION - 001, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
SO2	SULFUR DIOXIDE	90

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
7	007	CENTRIFUGAL COLLECTOR - HIGH E - 004, 4

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PM10	PARTICULATE MATTER 10	95
PT	TOTAL PARTICULATE MATTER	95

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
8	002	WET SCRUBBER - MEDIUM EFFICIEN - 004, 4

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	97
PM10	PARTICULATE MATTER 10	97

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:** JOHNSTON BOILER		
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: BITUMINOUS COAL		
c.) Source Classification Code (SCC): 10200217	d.) Units: Tons Bituminous Coal Burned		
e.) Stack Number: 1	***f.) Process Rate (throughput):***		
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 1.85			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 4	m.) Capture Efficiency: 100	
k.) Abatement Equipment Order 3	l.) Abatement Equipment ID 5	m.) Capture Efficiency: 100	
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 6	m.) Capture Efficiency: 100	

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	18.0	0	
NO2	NITROGEN DIOXIDE	8	15.20	0	
PM10	PARTICULATE MATTER 10	8	12.40	99.94	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.99	
SO2	SULFUR DIOXIDE	8	14.0	90	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.07	0	

Section 10. Process Information

a.) Process Number: 2	b.) Description: NATURAL GAS		
c.) Source Classification Code (SCC): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned		
e.) Stack Number: 1	***f.) Process Rate (throughput):***		
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 0.05			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 4	m.) Capture Efficiency: 100	
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 5	m.) Capture Efficiency: 100	

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
CO	CARBON MONOXIDE	9	84	0	
NO2	NITROGEN DIOXIDE	9	100	0	
PM10	PARTICULATE MATTER 10	9	7.6	99.94	
PT	TOTAL PARTICULATE MATTER	9	7.6	99.99	
SO2	SULFUR DIOXIDE	9	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	5.5	0	

Section 9: Group Information

a.) Group Number: 002	**b.) Description:** INDUSTRIAL BOILER			
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: COAL FIRED	
c.) Source Classification Code (SCC): 10200225	d.) Units: Tons Subbituminous Coal Burned	
e.) Stack Number: 2	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 1.85		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 1	m.) Capture Efficiency: 100

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	6.0	0	
NO2	NITROGEN DIOXIDE	8	7.50	0	
PB	LEAD	8	0.0133	40	
PM10	PARTICULATE MATTER 10	8	6.0	40	
PT	TOTAL PARTICULATE MATTER	8	16.0	95	
SO2	SULFUR DIOXIDE	8	35.0	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.07	0	

Section 9: Group Information

a.) Group Number: 003	**b.) Description:** CLEAVER BROOKS BOILER			
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 FIRED	
c.) Source Classification Code (SCC): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 3	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.033746		
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	84.0	0	
NO2	NITROGEN DIOXIDE	8	100.0	0	
PB	LEAD	8	0.00050	0	
PM10	PARTICULATE MATTER 10	8	3.0	0	
PT	TOTAL PARTICULATE MATTER	8	7.60	0	
SO2	SULFUR DIOXIDE	8	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	5.50	0	

Section 9: Group Information

a.) Group Number: 004	**b.) Description:** ROTARY DRYER		
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: TONS BLOOD MEAL PRODUCED	
c.) Source Classification Code (SCC): 30203811	d.) Units: Tons Dried Blood Meal Produced	
e.) Stack Number: 4	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 00000001		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 7	m.) Capture Efficiency: 100
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 8	m.) Capture Efficiency: 100

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	6.078	99.85	
PT	TOTAL PARTICULATE MATTER	9	6.078	99.85	

Section 10. Process Information

a.) Process Number: 2	b.) Description: NATURAL GAS FIRED		
c.) Source Classification Code (SCC): 30203811	d.) Units: MILLION CUBIC FEET BURNED		
e.) Stack Number: 4	***f.) Process Rate (throughput):***		
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 00000.02			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 7	m.) Capture Efficiency: 100	
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 8	m.) Capture Efficiency: 100	

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
CO	CARBON MONOXIDE	9	84	0	
NO2	NITROGEN DIOXIDE	9	100	0	
PM10	PARTICULATE MATTER 10	9	6.078	99.85	
PT	TOTAL PARTICULATE MATTER	9	6.078	99.85	
SO2	SULFUR DIOXIDE	9	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	5.5	0	

Section 10. Process Information

a.) Process Number: 3	b.) Description: #2 DIESEL FUEL FIRED		
c.) Source Classification Code (SCC): 30203811	d.) Units: 1000 GALLONS OF OIL BURNED		
e.) Stack Number: 4	***f.) Process Rate (throughput):***		
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 00000.14			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 7	m.) Capture Efficiency: 100	
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 8	m.) Capture Efficiency: 100	

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
CO	CARBON MONOXIDE	9	5	0	
NO2	NITROGEN DIOXIDE	9	20	0	
PM10	PARTICULATE MATTER 10	9	6.078	99.85	
PT	TOTAL PARTICULATE MATTER	9	2	99.85	
SO2	SULFUR DIOXIDE	9	71	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.2	0	