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:	141	**b.) Plant ID:**	00010
c.) Facility Name:	SOUTH BEND ACQUISITION CORP.		

Section 2: Physical Address:

a.) Source Address:	220 W ECKMAN ST
b.) Source City and Zip Code:	SOUTH BEND, 46614

Section 3: Mailing Address:

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

Section 4: Source Location

a.)	**UTM Vertical:**	4610.5	**UTM Horizontal:**	562.1
b.)	**Latitude:**	413844	**Longitude:**	861516

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:	DOUGLAS ROARK, DIRECTOR, SAFE
b.) Emissions Contact Phone Number:	(740) 363-5120
c.) Emissions Contact Fax Number:	(309) 273-5425
d.) Emissions Contact E-Mail Address:	droark@generalcasting.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.)	b.)	c.)	d.)	e.)	f.)	g.)	h.)
ID #	Description	Height (ft)	Diameter (ft)	Flow (acfm)	Temp (f)	UTM Vertical or Latitude	UTM Horizontal or
2	11-1GRINDING OPP	22	1.8	15084	77	413844	861511
3	11-2 TUMBLE BLAST	22	1.44	5580	77	413844	861511
4	11-3 TABLE BLAST	20	1.33	2660	77	413844	861511
5	11-4-5 MULLER SAND SYSTEM	33	2.5	30000	77	413844	861511
6	11-6 HERMAN/SLINGER SHAKT	33	2.5	30000	77	413844	861511
7	11-10 SPINNERBLAST	20	1.33	3510	77	413844	861511
8	11-11 SLINGER MOLD MAKING	0	0	0	77	413844	861511
9	11-12 PINLIFT MOLD MAKING	33	2.5	0	77	413844	861511
10	11-13 SILO SANDHANDL	0	0	0	77	413844	861511
11	ELECTRIC INDUCT FURN	0	0	0	100	413844	861511
12	SCRAP PREHEAT	0	0	0	600	413844	861511
13	SHELL CORE MACHINE	0	0	0	500	413844	861511
14	LADLE PREHEATER	0	0	0	500	413844	861511
15	CORE DRYING OVENS	0	0	0	100	413844	861511
16	AIR MAKEUP UNITS	0	0	0	77	413844	861511
17	OIL SAND CORE MAKING	0	0	0	77	413844	861511
20	NO-BAKE CORE MAKING	0	0	0	77	413844	861511
21	CHARGE HANDLING	0	0	0	77	413844	861511
22	DUCTILE INOCULATION	0	0	0	77	413844	861511
23	CORE WASH WATER-BASED	0	0	0	77	413844	861511
24	CORE WASH ALCOHOL-BASED	0	0	0	77	413844	861511
25	POURING & COOLING	0	0	0	77	413844	861511
61	HERMAN MOLD MAKING	0	0	0	77	413844	861511
91	PINLIFT SHAKEOUT	33	2.5	0	77	413844	861511

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	018	FABRIC FILTER - LOW TEMPERATUR - 002, 2

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	98
PM10	PARTICULATE MATTER 10	99

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
2	018	FABRIC FILTER - LOW TEMPERATUR - 003, 3

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	98
PM10	PARTICULATE MATTER 10	99

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
3	018	FABRIC FILTER - LOW TEMPERATUR - 004, 4

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	99.98
PM10	PARTICULATE MATTER 10	99

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
4	001	WET SCRUBBER - HIGH EFFICIENCY - 005, 5

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	98
PM10	PARTICULATE MATTER 10	98

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
5	001	WET SCRUBBER - HIGH EFFICIENCY - 006, 6

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	98
PM10	PARTICULATE MATTER 10	98

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
6	018	FABRIC FILTER - LOW TEMPERATUR - 007, 7

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	98
PM10	PARTICULATE MATTER 10	99

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
7	001	WET SCRUBBER - HIGH EFFICIENCY - 008, 8

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PB	LEAD	0

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: 002	**b.) Description:** 11-1 GRINDING OPP		
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: 11-1 GRINDING OPP	
c.) Source Classification Code (SCC): 30400360	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 2	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3.50		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 1	m.) Capture Efficiency: 50

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	1.7	49.5	
PT	TOTAL PARTICULATE MATTER	8	17.0	49	

Section 9: Group Information

a.) Group Number: 003	**b.) Description:** 11-2 TUMBLE BLAST		
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: 11-2 TUMBLE BLAST	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 3	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 6.0		
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)**
PM10	PARTICULATE MATTER 10	8	1.7	98.999	
PT	TOTAL PARTICULATE MATTER	8	17.0	97.999	

Section 9: Group Information

a.) Group Number: 004	**b.) Description:** 11-3 TABLE BLAST		
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: 11-3 TABLE BLAST	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 4	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3.0		
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)**
PM10	PARTICULATE MATTER 10	8	1.7	98.999	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.979	

Section 9: Group Information

a.) Group Number: 005	**b.) Description:** 11-4-5 SAND HANDLING MULL		
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: 11-4-5 SAND HANDLING		
c.) Source Classification Code (SCC): 30400350		d.) Units: Tons Sand Handled	
e.) Stack Number: 5		***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 60.0			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 4	m.) Capture Efficiency: 98	

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
107028	ACROLEIN	5		0	
108883	TOLUENE	5		0	
108952	PHENOL	5		0	
1330207	XYLENE (MIXED ISOMERS)	5		0	
50000	FORMALDEHYDE	5		0	
71432	BENZENE	5		0	
91203	NAPHTHALENE	5		0	
PM10	PARTICULATE MATTER 10	8	0.54	96.04	
PT	TOTAL PARTICULATE MATTER	8	0.65	96.04	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 9: Group Information

a.) Group Number: 006	**b.) Description:** 11-6 SAND HANDLING HERMAN			
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: 6	b.) Description: 11-6 HERMAN/SLINGER SHAKE		
c.) Source Classification Code (SCC): 30400331		d.) Units: Tons Of Metal Charged	
e.) Stack Number: 6		***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 6.0			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 5	m.) Capture Efficiency: 98	

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	2.24	96.04	
PT	TOTAL PARTICULATE MATTER	8	3.2	96.04	
VOC	VOLATILE ORGANIC COMPOUNDS	8	1.2	0	

Section 9: Group Information

a.) Group Number: 007	**b.) Description:** 11-10 SPINNERBLAST		
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: 11-10 SPINNERBLAST		
c.) Source Classification Code (SCC): 30400340		d.) Units: Tons Of Metal Charged	
e.) Stack Number: 7		***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 1.50			
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)**
PM10	PARTICULATE MATTER 10	8	1.7	98.99	
PT	TOTAL PARTICULATE MATTER	8	17.0	97.99	

Section 9: Group Information

a.) Group Number: 008	**b.) Description:** 11-11 SANDHANDLING SLINGR		
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: 11-11 SANDHANDLING S		
c.) Source Classification Code (SCC): 30400350		d.) Units: Tons Sand Handled	
e.) Stack Number: 8		***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 20.0			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 7	m.) Capture Efficiency: 0	

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
108883	TOLUENE	5		0	
108952	PHENOL	5		0	
1330207	XYLENE (MIXED ISOMERS)	5		0	
2551137	TRIMETHYL BENZENE	5		0	
50000	FORMALDEHYDE	5		0	
67641	ACETONE	5		0	
71432	BENZENE	5		0	
PB	LEAD	7		98	
PM10	PARTICULATE MATTER 10	8	0.54	0	
PT	TOTAL PARTICULATE MATTER	8	0.65	0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 9: Group Information

a.) Group Number: 009	**b.) Description:** PIN LIFT MOLD MAKING		
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: 9	b.) Description: 11-12 SANDHANDLING S	
c.) Source Classification Code (SCC): 30400350	d.) Units: Tons Sand Handled	
e.) Stack Number: 9	*f.) Process Rate (throughput):*	
g.) Ash Content(%):	*h.) Sulfur Content(%):*	*i.) Heat Ratio:*
j.) Maximum Operation Rate (Units/Hour): 16.0		
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	8	0.65	0	

Section 9: Group Information

a.) Group Number: 010	**b.) Description:** 11-13 SILO HANDLING		
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: 10	b.) Description: 11-13 SILO SANDHANDL	
c.) Source Classification Code (SCC): 30400350	d.) Units: Tons Sand Handled	
e.) Stack Number: 10	*f.) Process Rate (throughput):*	
g.) Ash Content(%):	*h.) Sulfur Content(%):*	*i.) Heat Ratio:*
j.) Maximum Operation Rate (Units/Hour): 8.34		
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	9	.54	0	
PT	TOTAL PARTICULATE MATTER	9	.65	0	

Section 9: Group Information

a.) Group Number: 011	**b.) Description:** ELECTRIC INDUCT FURN		
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: 11	b.) Description: ELECTRIC INDUCT FURN	
c.) Source Classification Code (SCC): 30400303	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 11	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 6		
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)**
PB	LEAD	8	0.0425	0	
PM10	PARTICULATE MATTER 10	8	0.86	0	
PT	TOTAL PARTICULATE MATTER	8	0.9	0	

Section 9: Group Information

a.) Group Number: 012	**b.) Description:** SCRAP PREHEATER		
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: 12	b.) Description: SCRAP PREHEATER	
c.) Source Classification Code (SCC): 30400315	d.) Units: Tons Metal Charged	
e.) Stack Number: 12	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): .001		
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	0.360		
PT	TOTAL PARTICULATE MATTER	8	0.60		

Section 9: Group Information

a.) Group Number: 013	**b.) Description:** SHELL CORE MACHINES		
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: 13	b.) Description: SHELL CORE MACHINE	
c.) Source Classification Code (SCC): 30400370	d.) Units: Tons Of Cores Produced	
e.) Stack Number: 13	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): .25		
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)**
108883	TOLUENE	5		0	
108952	PHENOL	5		0	
1330207	XYLENE (MIXED ISOMERS)	5		0	
71432	BENZENE	5		0	
NO2	NITROGEN DIOXIDE	8	0.5	0	
PM10	PARTICULATE MATTER 10	8	2.22	0	
PT	TOTAL PARTICULATE MATTER	8	2.71	0	
SO2	SULFUR DIOXIDE	8	0.32	0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 9: Group Information

a.) Group Number: 014	**b.) Description:** LADLE PREHEATER		
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: 14	b.) Description: LADLE PREHEATER	
c.) Source Classification Code (SCC): 39000689	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): .005		
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	9	20		
NO2	NITROGEN DIOXIDE	8	100.0	0	
PM10	PARTICULATE MATTER 10	9	3		
PT	TOTAL PARTICULATE MATTER	9	3		
SO2	SULFUR DIOXIDE	8	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	5.3	0	

Section 9: Group Information

a.) Group Number: 015	**b.) Description:** CORE DRYING OVENS		
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: 15	b.) Description: CORE DRYING OVENS	
c.) Source Classification Code (SCC): 39000689	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 15	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): .0006		
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		
NO2	NITROGEN DIOXIDE	8	100.0	0	
PM10	PARTICULATE MATTER 10	8	3.0		
PT	TOTAL PARTICULATE MATTER	8	3.0		
SO2	SULFUR DIOXIDE	8	0.60	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	5.3	0	

Section 9: Group Information

a.) Group Number: 016	**b.) Description:** AIR MAKEUP 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: 16	b.) Description: AIR MAKEUP UNITS	
c.) Source Classification Code (SCC): 39000689	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 16	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): .01		
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		
NO2	NITROGEN DIOXIDE	8	100.0	0	
PM10	PARTICULATE MATTER 10	8	3.0		
PT	TOTAL PARTICULATE MATTER	8	3.0		
SO2	SULFUR DIOXIDE	8	0.60	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	5.3	0	

Section 9: Group Information

a.) Group Number: 017	**b.) Description:** OIL SAND CORE MAKING			
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: 17	b.) Description: OIL SAND CORE MAKING	
c.) Source Classification Code (SCC): 30400371	d.) Units: Tons Of Cores Produced	
e.) Stack Number: 17	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.055		
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)**
108883	TOLUENE	5		0	
1330207	XYLENE (MIXED ISOMERS)	5		0	
71432	BENZENE	5		0	
91203	NAPHTHALENE	5		0	
NO2	NITROGEN DIOXIDE	8	0.5	0	
SO2	SULFUR DIOXIDE	8	0.32	0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 9: Group Information

a.) Group Number: 020	**b.) Description:** NO-BAKE CORE MAKING			
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: 20	b.) Description: NO-BAKE CORE MAKING	
c.) Source Classification Code (SCC): 30400371	d.) Units: Tons Of Cores Produced	
e.) Stack Number: 20	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 1.25		
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)**
101688	METHYLENE DIPHENYL DIISOCYANATE	5		0	
107028	ACROLEIN	5		0	
108883	TOLUENE	5		0	
108952	PHENOL	5		0	
1330207	XYLENE (MIXED ISOMERS)	5		0	
50000	FORMALDEHYDE	5		0	
71432	BENZENE	5		0	
9016879	ISOCYANIC ACID, POLYMETHYLENEPOLYPH	5		0	
91203	NAPHTHALENE	5		0	
NO2	NITROGEN DIOXIDE	8	0.5	0	
SO2	SULFUR DIOXIDE	8	0.32	0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 9: Group Information

a.) Group Number: 021	**b.) Description:** CHARGE HANDLING			
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: 21	b.) Description: CHARGE HANDLING	
c.) Source Classification Code (SCC): 30400315	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 21	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 6		
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 9: Group Information

a.) Group Number: 022	**b.) Description:** DUCTILE INOCULATION		
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: 22	b.) Description: DUCTILE INOCULATION	
c.) Source Classification Code (SCC): 30400321	d.) Units: Tons Gray Iron Produced	
e.) Stack Number: 22	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 6		
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	9	1.8	0	
PT	TOTAL PARTICULATE MATTER	9	1.8	0	

Section 9: Group Information

a.) Group Number: 023	**b.) Description:** CORE WASHING WATER-BASED		
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: 23	b.) Description: CORE WASHING WATER-BASED	
c.) Source Classification Code (SCC): 30400398	d.) Units: Gallons	
e.) Stack Number: 23	***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)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	.2	0	

Section 9: Group Information

a.) Group Number: 024	**b.) Description:** CORE WASHING ALCOHOL-BASE		
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: 24	b.) Description: CORE WASHING ALCOHOL-BASE	
c.) Source Classification Code (SCC): 30400398	d.) Units: Gallons	
e.) Stack Number: 24	***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)**
67561	METHANOL	7		0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 9: Group Information

a.) Group Number: 025	**b.) Description:** POURING & COOLING		
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: 25	b.) Description: POURING & COOLING	
c.) Source Classification Code (SCC): 30400320	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 25	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 6		
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	8	2.8	0	
PT	TOTAL PARTICULATE MATTER	8	2.8	0	
SO2	SULFUR DIOXIDE	8	0.02	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.14	0	

Section 9: Group Information

a.) Group Number: 061	**b.) Description:** HERMAN MOLD MAKING		
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: 61	b.) Description: HERMAN MOLD MAKING	
c.) Source Classification Code (SCC): 30400350	d.) Units: Tons Sand Handled	
e.) Stack Number: 61	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 30		
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	8	0.65	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	.0008	0	

Section 9: Group Information

a.) Group Number: 091	**b.) Description:** PIN LIFT SHAKEOUT			
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: 91	b.) Description: PIN LIFT SHAKEOUT	
c.) Source Classification Code (SCC): 30400331	d.) Units: Tons Of Metal Charged	
e.) Stack Number: 91	***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 4	m.) Capture Efficiency: 60

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	2.24	58.8	
PT	TOTAL PARTICULATE MATTER	8	3.2	58.8	
VOC	VOLATILE ORGANIC COMPOUNDS	8	1.2	0	