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:	039	**b.) Plant ID:**	00191
c.) Facility Name:	HAYES LEMMERZ INTERNATIONAL - BRISTOL		

Section 2: Physical Address:

a.) Source Address:	51650 COUNTY ROAD 133
b.) Source City and Zip Code:	BRISTOL, 46507

Section 3: Mailing Address:

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

Section 4: Source Location

a.)	**UTM Vertical:**	4621.897	**UTM Horizontal:**	604.891
b.)	**Latitude:**	414437	**Longitude:**	854419

Section 5: Industrial Classificatio

a.) Primary NAICS Code:	33633	Motor Vehicle Steering and Suspension Components (except	
b.) Primary SIC Code:	3714	.	Brake and Brake Systems, Including Assemblies

Section 6: Contact Informatio

a.) Emissions Contact Official and Title:	RAYMOND O'DONNELL, ENVIRONME
b.) Emissions Contact Phone Number:	(219) 825-9457
c.) Emissions Contact Fax Number:	(219) 825-7457
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	REVERB FURNACE A,B STACK	55	3.69	12000	1100	414437	854419
2	A319 PROCESS HOLDERS	0	0	0	1350	414437	854419
3	A356 PROCESS HOLDERS	0	0	0	1350	414437	854419
4	A354 MELTER/HOLDER	0	0	0	1350	414437	854419
5	A356 REVERB C STACK	65	3.83	24000	700	414437	854419
6	A356 REVERB D STACK	65	3.83	24000	700	414437	854419
7	A356 REVERB E STACK	55	3.33	12000	700	414437	854419
8	SOLUTION FURNACE STACKS	50	1.94	337	390	414437	854419
9	AGING FURNACE STACKS	50	1.96	106	170	414437	854419
10	TUBE BURNER STACKS	50	0.83	185	180	414437	854419
11	HEAT TREAT QUENCH TANKS	0	0	0	105	414437	854419
12	SPACE HEATERS	0	0	0	80	414437	854419
13	SEMI-PERMANENT MOLDING	0	0	34350	80	414437	854419
14	CORE SAND FACILITIES	0	0	0	80	414437	854419
15	CASTING CLEANING FACILITY	0	0	1414	80	414437	854419
16	MOLD BLAST COLLECTOR DC10	13	2.52	7700	80	414437	854419
17	1998 BLAST COLLECTOR DC11	0	0	1414	80	414437	854419
18	A356 REVERB F STACK	55	3.33	12000	700	414437	854419
19	A356 REVERB G STACK	55	3.33	6000	700	414437	854419

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	007	GRINDER CYCLONES

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

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
2	018	GRINDER BAG FILTERS

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

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
3	018	SAND SILO DUST COLLECTOR(S)

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	99.9
PM10	PARTICULATE MATTER 10	99.9

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
4	013	TEA / H2SO4 CORE GAS SCRUBBERS

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
VOC	VOLATILE ORGANIC COMPOUNDS	95

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
5	018	SHOT BLAST DUST COLLECTORS

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	99.9
PM10	PARTICULATE MATTER 10	99.9

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
6	018	MOLD BLAST DUST COLLECTOR

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	99.9
PM10	PARTICULATE MATTER 10	99.9

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: A319 REVERB FURNACE A		
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): 10200603	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): 0.00910		
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	
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A319	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 1	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 4.75		
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)**
NO2	NITROGEN DIOXIDE	8	0.76	0	
PB	LEAD	9	0.000424	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 9: Group Information

a.) Group Number: 002	**b.) Description:** UNIT REMOVED			
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): 10200603	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		
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	
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A319	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 1	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 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)**
NO2	NITROGEN DIOXIDE	8	0.76	0	
PB	LEAD	9	0.000424	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 10. Process Information

a.) Process Number: 3	b.) Description: CHARGE FLUXING ALUMINUM	
c.) Source Classification Code (SCC): 30400105	d.) Units: POUNDS CHARGE FLUX CONSUMED	
e.) Stack Number: 1	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 10. Process Information

a.) Process Number: 4	b.) Description: CLEAN FLUXING ALUMINUM	
c.) Source Classification Code (SCC): 30400105	d.) Units: POUNDS CLEAN FLUX CONSUMED	
e.) Stack Number: 1	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 9: Group Information

a.) Group Number: 003	**b.) Description:** A319 GAS HOLDERS			
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): 10200603	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 2	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00560		
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	
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: 006	**b.) Description:** A356 GAS HOLDERS		
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): 10200603	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): 0.00990		
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	
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: 011	**b.) Description:** A354 GAS MELTER/HOLDER			
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): 10200603	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 4	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00130		
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	
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A354	
c.) Source Classification Code (SCC): 30400102	d.) Units: Tons Metal Produced	
e.) Stack Number: 4	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.325		
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	1.7	0	
PB	LEAD	9	0.000265	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	2.5	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	2.5	0	

Section 9: Group Information

a.) Group Number: 020	**b.) Description:** A356 REVERB FURNACE C			
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): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 5	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.02280		
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A356	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 5	***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	0.76	0	
PB	LEAD	9	0.000265	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 9: Group Information

a.) Group Number: 021	**b.) Description:** A356 REVERB FURNACE D			
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): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 6	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.02280		
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A356	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 6	***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	0.76	0	
PB	LEAD	9	0.000265	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 9: Group Information

a.) Group Number: 022	**b.) Description:** A356 REVERB FURNACE E			
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): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 7	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.012		
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A356	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 7	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3		
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	0.76	0	
PB	LEAD	9	0.000265	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 9: Group Information

a.) Group Number: 023	**b.) Description:** A356 REVERB FURNACE F		
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): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 18	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.012		
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A356	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 18	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3		
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	0.76	0	
PB	LEAD	9	0.000265	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 9: Group Information

a.) Group Number: 024	**b.) Description:** A356 REVERB FURNACE G			
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): 10200602	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 19	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.006		
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 10. Process Information

a.) Process Number: 2	b.) Description: MELTING ALUMINUM A356	
c.) Source Classification Code (SCC): 30400103	d.) Units: Tons Metal Produced	
e.) Stack Number: 19	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 1.5		
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)**
NO2	NITROGEN DIOXIDE	8	0.76	0	
PB	LEAD	9	0.000265	0	
PM10	PARTICULATE MATTER 10	9	0.53	0	
PM2.5	PARTICULATE MATTER 2.5	9	0.53	0	
PT	TOTAL PARTICULATE MATTER	9	0.53	0	
SO2	SULFUR DIOXIDE	8	0.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	0.2	0	

Section 9: Group Information

a.) Group Number: 030	**b.) Description:** FURNACE DEGASSING		
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: DEGASSING AL - FOSECO 601	
c.) Source Classification Code (SCC): 30400106	d.) Units: POUNDS DEGASSING TABLETS	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.73		
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	0.3	0	

Section 9: Group Information

a.) Group Number: 035	**b.) Description:** DROSS SKIMMING			
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: SKIMMING ALUMINUM	
c.) Source Classification Code (SCC): 30400107	d.) Units: Tons Metal Produced	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.36		
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	9	0.00011	0	
PM10	PARTICULATE MATTER 10	8	0.2	0	
PT	TOTAL PARTICULATE MATTER	8	0.22	0	

Section 9: Group Information

a.) Group Number: 040	**b.) Description:** HEAT-TREAT FURNACES (3)			
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): 10200603	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 8	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.01671		
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	
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: 045	**b.) Description:** AGING FURNACES (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: 1	b.) Description: NATURAL GAS COMBUSTION	
c.) Source Classification Code (SCC): 10200603	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 9	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00210		
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	
PM10	PARTICULATE MATTER 10	8	3.0	0	
PT	TOTAL PARTICULATE MATTER	8	7.60	0	
SO2	SULFUR DIOXIDE	8	0.60	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	5.50	0	

Section 9: Group Information

a.) Group Number: 050	**b.) Description:** RINSETANK TUBE BURNERS(3)			
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): 10200603	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 10	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00412		
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	
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: 055	**b.) Description:** POLYMER QUENCH TANKS (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: 1	b.) Description: QUENCHANT EVAPORATION	
c.) Source Classification Code (SCC): 30402210	d.) Units: Tons Material Processed	
e.) Stack Number: 11	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 2.505		
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	0.2127	0	

Section 9: Group Information

a.) Group Number: 060	**b.) Description:** AIR MAKE-UP UNITS (25)		
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): 10300603	d.) Units: Million Cubic Feet Natural Gas Burned	
e.) Stack Number: 12	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.125		
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	
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: 100	**b.) Description:** SEMI-PERM MOLD OPERATIONS			
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: POURING/CASTING W/ CORES	
c.) Source Classification Code (SCC): 30400114	d.) Units: Tons Metal Charged	
e.) Stack Number: 13	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 6.5		
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)**
NO2	NITROGEN DIOXIDE	8	0.01	0	
PM10	PARTICULATE MATTER 10	9	0.26	0	
PT	TOTAL PARTICULATE MATTER	9	0.26	0	
SO2	SULFUR DIOXIDE	8	0.02	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	1.71	0	

Section 9: Group Information

a.) Group Number: 200	**b.) Description:** SAND SILOS (5)			
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: CORE SAND SILOS	
c.) Source Classification Code (SCC): 30400356	d.) Units: Tons Sand Handled	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3.75		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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	0.011	98.901	
PT	TOTAL PARTICULATE MATTER	9	0.5	98.901	

Section 9: Group Information

a.) Group Number: 220	**b.) Description:** CORE MAKING OPERATIONS		
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: TEA CATALYST	
c.) Source Classification Code (SCC): 49099999	d.) Units: Tons Solvent Consumed	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.04508		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 4	m.) Capture Efficiency: 95

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	8	2000.0	90.25	

Section 10. Process Information

a.) Process Number: 2	b.) Description: CORE BOX METAL CLEANER	
c.) Source Classification Code (SCC): 40100303	d.) Units: Tons Solvent Consumed	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00395		
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	8	2000.0	0	

Section 10. Process Information

a.) Process Number: 3	b.) Description: RELEASE AGENTS	
c.) Source Classification Code (SCC): 49099999	d.) Units: Tons Solvent Consumed	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00473		
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	1500	0	

Section 10. Process Information

a.) Process Number: 4	b.) Description: SAND CORE MAKING	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3.75		
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	9	0.022	0	
PT	TOTAL PARTICULATE MATTER	9	1.02	0	

Section 10. Process Information

a.) Process Number: 5	b.) Description: ACME-FLOW PART I RESIN	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.12267		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	e.)
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	270	0	

Section 10. Process Information

a.) Process Number: 6	b.) Description: ACME-FLOW PART II RESIN	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.12052		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	e.)
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	136	0	

Section 10. Process Information

a.) Process Number: 7	b.) Description: CHILL KOTE AL COATING CMP	
c.) Source Classification Code (SCC): 49099999	d.) Units: Tons Solvent Consumed	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00081		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	e.)
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	1880	0	

Section 10. Process Information

a.) Process Number: 8	b.) Description: SIGMA SET 6100 PT I RESIN	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.03214		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	500	0	

Section 10. Process Information

a.) Process Number: 9	b.) Description: SIGMA SET 6550 PTII RESIN	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.03157		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	200	0	

Section 10. Process Information

a.) Process Number: 10	b.) Description: SIGMA SET 6710 CATALYST	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00445		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	800	0	

Section 10. Process Information

a.) Process Number: 11	b.) Description: REFCOSLIK 2200	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.01105		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	100	0	

Section 10. Process Information

a.) Process Number: 12	b.) Description: SURESLIK 306 CORE GLUE	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 0.00729		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	600	0	

Section 9: Group Information

a.) Group Number: 230	**b.) Description:** CORE KNOCKOUT ROOM			
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: CORE KNOCKOUT	
c.) Source Classification Code (SCC): 30400199	d.) Units: Tons Material Produced	
e.) Stack Number: 14	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 3.75		
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	9	0.33	0	
PT	TOTAL PARTICULATE MATTER	9	2	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	1.2	0	

Section 9: Group Information

a.) Group Number: 290	**b.) Description:** A319 PROCESS GRINDERS		
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: GRINDING ALUMINUM A319	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 15	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 4		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 1	m.) Capture Efficiency: 99.9
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 2	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)**
PB	LEAD	9	0.0136	99.899	
PM10	PARTICULATE MATTER 10	8	1.7	99.899	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.899	

Section 9: Group Information

a.) Group Number: 300	**b.) Description:** A356 PROCESS GRINDERS			
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: GRINDING ALUMINUM A356	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 15	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 7.825		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 1	m.) Capture Efficiency: 99.9
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 2	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)**
PB	LEAD	9	0.0085	99.899	
PM10	PARTICULATE MATTER 10	8	1.7	99.899	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.899	

Section 9: Group Information

a.) Group Number: 310	**b.) Description:** A319 SHOT BLASTERS			
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: BLASTING ALUMINUM A319	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 15	*f.) Process Rate (throughput):*	
g.) Ash Content(%):	*h.) Sulfur Content(%):*	*i.) Heat Ratio:*
j.) Maximum Operation Rate (Units/Hour): 0		
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 5	m.) Capture Efficiency: 0.001

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	99.899	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.899	

Section 9: Group Information

a.) Group Number: 320	**b.) Description:** A354,A356 SHOT BLASTERS		
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: BLASTING ALUM A354,A356	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 15	*f.) Process Rate (throughput):*	
g.) Ash Content(%):	*h.) Sulfur Content(%):*	*i.) Heat Ratio:*
j.) Maximum Operation Rate (Units/Hour): 8		
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	8	1.7	99.899	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.899	

Section 9: Group Information

a.) Group Number: 350	**b.) Description:** MOLD BLAST ROOM		
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: BLASTING (MOLDS)	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 15	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 31.03722		
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	99.899	
PT	TOTAL PARTICULATE MATTER	8	17.0	99.899	

Section 9: Group Information

a.) Group Number: 360	**b.) Description:** 1998 SHOT BLAST (A319)		
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: BLASTING ALUMINUM (A319)	
c.) Source Classification Code (SCC): 30400340	d.) Units: Tons Metal Charged	
e.) Stack Number: 15	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 4.0		
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 5	m.) Capture Efficiency: 0.001

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	99.899	