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:	183	**b.) Plant ID:**	00016
c.) Facility Name:	ESSEX GROUP, INC. METALS PROCESSING #055		

Section 2: Physical Address:

a.) Source Address:	2601 SOUTH 600 EAST
b.) Source City and Zip Code:	COLUMBIA CITY, 46725

Section 3: Mailing Address:

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

Section 4: Source Location

a.)	**UTM Vertical:**	4551.5	**UTM Horizontal:**	636.5
b.)	**Latitude:**	410618	**Longitude:**	852228

Section 5: Industrial Classificatio

a.)	**Primary NAICS Code:**	331421	Copper Rolling, Drawing, and Extruding
b.)	**Primary SIC Code:**	3715	Truck Trailers

Section 6: Contact Informatio

a.) Emissions Contact Official and Title:	WILLIAM D. NICHOLSON, FAX(260)24
b.) Emissions Contact Phone Number:	(260) 248-5553
c.) Emissions Contact Fax Number:	
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	2 ROTARY FURNACES	28	4.8	68300	400	410618	852228
2	VERTICAL SHAFT FURNACE	50	3.5	18320	512	410618	852228
3	VERTICAL SHAFT FURNACE	50	3.5	18320	512	410618	852228
4	VERTICAL SHAFT FURNACE	50	3.5	18320	512	410618	852228
5	EXHAUST VENT	30	4	24000	68	410618	852228
6	EXHAUST VENT	30	4	24000	68	410618	852228
7	EXHAUST VENT	30	4	24000	68	410618	852228
8	038 BUILDING	30	4	24000	68	410618	852228
9	PVC BAGHOUSE STACK	50	4	6000	80	410618	852228
10	THERMAL OXIDIZER CE-3	42	4.16	18000	450	410618	852228

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	017	FABRIC FILTER - MEDIUM TEMPERA - 001, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	85
PM10	PARTICULATE MATTER 10	85

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
2	017	FABRIC FILTER - MEDIUM TEMPERA - 001, 2

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PM10	PARTICULATE MATTER 10	85
PT	TOTAL PARTICULATE MATTER	85

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
3	099	MISCELLANEOUS CONTROL DEVICES - 001, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
VOC	VOLATILE ORGANIC COMPOUNDS	99

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
4	017	FABRIC FILTER - MEDIUM TEMPERA - 001, 3

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PT	TOTAL PARTICULATE MATTER	85
PM10	PARTICULATE MATTER 10	85

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
5	018	FABRIC FILTER - LOW TEMPERATUR - 004, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
PB	LEAD	85
PM10	PARTICULATE MATTER 10	85
PT	TOTAL PARTICULATE MATTER	85
7440360	ANTIMONY	85

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
6	018	FABRIC FILTER - LOW TEMPERATUR - 004, 2

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
7440360	ANTIMONY	99.999
PB	LEAD	99.999
PM10	PARTICULATE MATTER 10	99.999
PT	TOTAL PARTICULATE MATTER	99.999

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
7	021	DIRECT FLAME AFTERBURNER

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
VOC	VOLATILE ORGANIC COMPOUNDS	99.7

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: ROTARY 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: 2 ROTARY FURNACES		
c.) Source Classification Code (SCC): 30400236	d.) Units: Tons Charge Fed		
e.) Stack Number: 1	***f.) Process Rate (throughput):***		
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 3.820			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 1	m.) Capture Efficiency: 85	
k.) Abatement Equipment Order 2	l.) Abatement Equipment ID 3	m.) Capture Efficiency: 99.999	

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
PM10	PARTICULATE MATTER 10	9	13.14	72.25	
PT	TOTAL PARTICULATE MATTER	9	13.14	72.25	

Section 10. Process Information

a.) Process Number: 2	b.) Description: ROTARY NAT GAS USAGE		
c.) Source Classification Code (SCC): 30490003	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):			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 2	m.) Capture Efficiency: 85	

Section 11: Emissions Information

a.)		b.)	c.)	d.)	**e.)**
Pollutant	Pollutant Description	Estimation Method	Emission Factor	Overall Controll Efficiency	**Emissions (tons)**
CO	CARBON MONOXIDE	8	35	0	
NO2	NITROGEN DIOXIDE	8	140.0	0	
PM10	PARTICULATE MATTER 10	9	13.7	72.25	
PT	TOTAL PARTICULATE MATTER	9	13.7	72.25	
SO2	SULFUR DIOXIDE	8	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	2.8	0	

Section 10. Process Information

a.) Process Number: 3	b.) Description: ROTARY POLING LOGS	
c.) Source Classification Code (SCC): 10200907	d.) Units: Tons Burned	
e.) Stack Number: 1	***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: 85

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	4.0	0	
NO2	NITROGEN DIOXIDE	8	2.8	0	
PM10	PARTICULATE MATTER 10	8	6.48	72.25	
PT	TOTAL PARTICULATE MATTER	8	7.2	72.25	
SO2	SULFUR DIOXIDE	8	0.15	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	1.4	0	

Section 10. Process Information

a.) Process Number: 4	b.) Description: ROTARY TO ATMOSPHERE	
c.) Source Classification Code (SCC): 30400236	d.) Units: Tons Charge Fed	
e.) Stack Number: 1	***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 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)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	56.86	98.999	

Section 9: Group Information

a.) Group Number: 002	**b.) Description:** COPPER BAR & ROD PRODUCT		
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: 2 VERTICAL SHAFT FURNACES	
c.) Source Classification Code (SCC): 30400210	d.) Units: Tons Charge Fed	
e.) Stack Number: 2	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 40		
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	0.175	0	
PT	TOTAL PARTICULATE MATTER	9	0.175	0	

Section 10. Process Information

a.) Process Number: 2	b.) Description: SHAFT FURNACE NAT. GAS	
c.) Source Classification Code (SCC): 30490003	d.) Units: Million Cubic Feet Burned	
e.) Stack Number: 2	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour):		
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	35	0	
NO2	NITROGEN DIOXIDE	8	140.0	0	
PM10	PARTICULATE MATTER 10	9	6.7	0	
PT	TOTAL PARTICULATE MATTER	9	13.7	0	
SO2	SULFUR DIOXIDE	8	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	8	2.8	0	

Section 10. Process Information

a.) Process Number: 3	b.) Description: ACETYLENE USAGE	
c.) Source Classification Code (SCC): 30400239	d.) Units: Tons Of Castings Produced	
e.) Stack Number: 2	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour):		
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	0.15	0	
PT	TOTAL PARTICULATE MATTER	9	0.15	0	

Section 9: Group Information

a.) Group Number: 003	**b.) Description:** ALCOHOL QUENCH W/ CONTROL		
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: IPA USAGE	
c.) Source Classification Code (SCC): 40200912	d.) Units: Tons Solvent	
e.) Stack Number: 10	***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 7	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)**
VOC	VOLATILE ORGANIC COMPOUNDS	9	1440	99.7	

Section 9: Group Information

a.) Group Number: 004	**b.) Description:** WIRE & CABLE PVC		
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: PVC COMPOUNDING		
c.) Source Classification Code (SCC): 30899999		d.) Units: Tons Material Processed	
e.) Stack Number: 8		***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 5	m.) Capture Efficiency: 99.999	

Section 10. Process Information

a.) Process Number: 2	b.) Description: PVC COMPOUNDING		
c.) Source Classification Code (SCC): 30899999		d.) Units: Tons Processed	
e.) Stack Number: 9		***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 6	m.) Capture Efficiency: 85	

Section 11: Emissions Information

a.) Pollutant	Pollutant Description	b.) Estimation Method	c.) Emission Factor	d.) Overall Controll Efficiency	**e.) Emissions (tons)**
7440360	ANTIMONY	9	0.1566	84.999	
PB	LEAD	9	0.284	84.999	
PM10	PARTICULATE MATTER 10	9	2.7	84.999	
PT	TOTAL PARTICULATE MATTER	9	2.7	84.999	

Section 9: Group Information

a.) Group Number: 005	**b.) Description:** MISC. 038 HAPS			
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: INKS & THINNERS	
c.) Source Classification Code (SCC): 40200912	d.) Units: Tons Solvent Used	
e.) Stack Number: 8	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour):		
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)**
108101	METHYL ISOBUTYL KETONE	5		0	
108883	TOLUENE	5		0	
1330207	XYLENE (MIXED ISOMERS)	5		0	
78933	METHYL ETHYL KETONE	5		0	
VOC	VOLATILE ORGANIC COMPOUNDS	5		0	

Section 10. Process Information

a.) Process Number: 2	b.) Description: WIRE DRAWING SOLUTION	
c.) Source Classification Code (SCC): 40200912	d.) Units: Tons Solvent Used	
e.) Stack Number: 8	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour):		
k.) Abatement Equipment Order	l.) Abatement Equipment ID	m.) Capture Efficiency:

Section 9: Group Information

a.) Group Number: 006	**b.) Description:** ALCOHOL QUENCH NO CONTROL		
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: IPA USAGE	
c.) Source Classification Code (SCC): 40200912	d.) Units: Tons Solvent	
e.) Stack Number: 5	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour):		
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	1440	0	