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:	003	**b.) Plant ID:**	00286
c.) Facility Name:	SUPERIOR ALUMINUM ALLOYS		

Section 2: Physical Address:

a.) Source Address:	14214 EDGERTON ROAD
b.) Source City and Zip Code:	NEW HAVEN, 46674

Section 3: Mailing Address:

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

Section 4: Source Location

a.)	**UTM Vertical:**	4549.3	**UTM Horizontal:**	672
b.)	**Latitude:**	410442	**Longitude:**	845709

Section 5: Industrial Classificatio

a.)	**Primary NAICS Code:**	331314	Secondary Smelting and Alloying of Aluminum
b.)	**Primary SIC Code:**	3341	Secondary Smelting and Refining of Nonferrous Metals

Section 6: Contact Informatio

a.)	**Emissions Contact Official and Title:**	BRIAN WINTERS,
b.)	**Emissions Contact Phone Number:**	(219) 749-7599
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	HAMMER MILL/SCRAP SHREDDR	26	1.33	6144	70	410442	845709
2	CHIP DRYER AFTERBURNER	40	3.17	41356	214	410442	845709
3	WEST FURNACE BAGHOUSE	40	5	39303	93	410442	845709
4	EAST FURNACE BAGHOUSE	40	5	39303	93	410442	845709

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 - 001, 2

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

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
2	018	FABRIC FILTER - LOW TEMPERATUR - 001, 3

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

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
3	018	FABRIC FILTER - LOW TEMPERATUR - 002, 1

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

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
4	018	FABRIC FILTER - LOW TEMPERATUR - 003, 1

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

a.) Abatement ID	b.) Equipment Code	c.) Abatement Equipment Description
5	021	DIRECT FLAME AFTERBURNER - 003, 1

d.) Pollutant	Pollutant Description	e.) Abatement Efficiency
VOC	VOLATILE ORGANIC COMPOUNDS	98.2

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:** SIDE WELL ALUMINUM MELTER		
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: REVERBATORY FURNACE (1)	
c.) Source Classification Code (SCC): 30400103	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): 12.5		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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)**
7439965	MANGANESE	9	.0039541	0	
7439976	MERCURY	9	.0000672	0	
7440020	NICKEL	9	.0000883	0	
7440360	ANTIMONY	9	0.000311	0	
7440382	ARSENIC	9	0.000311	0	
7440417	BERYLLIUM	9	0.000125	0	
7440439	CADMIUM	9	0.000151	0	
7440473	CHROMIUM	9	.0000655	0	
7440508	COPPER	9	0.025944	0	
7647010	HYDROCHLORIC ACID	9	0.867391	0	
7782492	SELENIUM	9	0.000311	0	
7782505	CHLORINE	9	0.002157	0	
PB	LEAD	9	0.002805	0	
PM10	PARTICULATE MATTER 10	1		97.02	

Section 10. Process Information

a.) Process Number: 3	b.) Description: REVERBATORY FURNACE (2)		
c.) Source Classification Code (SCC): 30400103		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): 12.5			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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)**
7439965	MANGANESE	9	.0039541	0	
7439976	MERCURY	9	.0000672	0	
7440020	NICKEL	9	.0000883	0	
7440360	ANTIMONY	9	0.000311	0	
7440382	ARSENIC	9	0.000311	0	
7440417	BERYLLIUM	9	0.000125	0	
7440439	CADMIUM	9	0.000151	0	
7440473	CHROMIUM	9	.0000655	0	
7440508	COPPER	9	0.025944	0	
7647010	HYDROCHLORIC ACID	9	0.867391	0	
7782492	SELENIUM	9	0.000311	0	
7782505	CHLORINE	9	0.002157	0	
PB	LEAD	9	0.002805	0	
PM10	PARTICULATE MATTER 10	1		97.02	

Section 10. Process Information

a.) Process Number: 4	b.) Description: REVERBATORY FURNACE (3)		
c.) Source Classification Code (SCC): 30400103		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): 12.5			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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)**
7439965	MANGANESE	9	.0039541	0	
7439976	MERCURY	9	.0000672	0	
7440020	NICKEL	9	.0000883	0	
7440360	ANTIMONY	9	0.000311	0	
7440382	ARSENIC	9	0.000311	0	
7440417	BERYLLIUM	9	0.000125	0	
7440439	CADMIUM	9	0.000151	0	
7440473	CHROMIUM	9	.0000655	0	
7440508	COPPER	9	0.025944	0	
7647010	HYDROCHLORIC ACID	9	0.867391	0	
7782492	SELENIUM	9	0.000311	0	
7782505	CHLORINE	9	0.002157	0	
PB	LEAD	9	0.002805	0	
PM10	PARTICULATE MATTER 10	1		97.02	

Section 10. Process Information

a.) Process Number: 5	b.) Description: REVERBATORY FURN (1) NG	
c.) Source Classification Code (SCC): 30400103	d.) Units: MMCF NATURAL GAS USED	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 12.5		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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)**
CO	CARBON MONOXIDE	9	84	0	
NO2	NITROGEN DIOXIDE	9	100	0	
PM10	PARTICULATE MATTER 10	1		97.02	
SO2	SULFUR DIOXIDE	9	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	5.5	0	

Section 10. Process Information

a.) Process Number: 6	b.) Description: REVERBATORY FURN (2) NG	
c.) Source Classification Code (SCC): 30400103	d.) Units: MMCF NATURAL GAS USED	
e.) Stack Number: 0	***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***
j.) Maximum Operation Rate (Units/Hour): 12.5		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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)**
CO	CARBON MONOXIDE	9	84	0	
NO2	NITROGEN DIOXIDE	9	100	0	
PM10	PARTICULATE MATTER 10	1		97.02	
SO2	SULFUR DIOXIDE	9	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	5.5	0	

Section 10. Process Information

a.) Process Number: 7	b.) Description: REVERBATORY FURN (3) NG		
c.) Source Classification Code (SCC): 30400103		d.) Units: MMCF NATURAL GAS USED	
e.) Stack Number: 0		***f.) Process Rate (throughput):***	
g.) Ash Content(%):	***h.) Sulfur Content(%):***	***i.) Heat Ratio:***	
j.) Maximum Operation Rate (Units/Hour): 12.5			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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)**
CO	CARBON MONOXIDE	9	84	0	
NO2	NITROGEN DIOXIDE	9	100	0	
PM10	PARTICULATE MATTER 10	1		97.02	
SO2	SULFUR DIOXIDE	9	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	5.5	0	

Section 9: Group Information

a.) Group Number: 002	**b.) Description:** HAMMER MILL SCRAP SHREDDR			
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: HAMMER MILL/SCRAP SHREDDR		
c.) Source Classification Code (SCC): 30400108		d.) Units: Tons Of 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): 12.5			
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 3	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	9	0.029	97.02	

Section 9: Group Information

a.) Group Number: 003	**b.) Description:** CHIP DRYER W/AFTERBURNER		
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: CHIP DRYER W/AFTERBURNER	
c.) Source Classification Code (SCC): 30400121	d.) Units: Tons Of 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): 6		
k.) Abatement Equipment Order 1	l.) Abatement Equipment ID 4	m.) Capture Efficiency: 98
k.) Abatement Equipment Order 2	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)**
50000	FORMALDEHYDE	9	)0006235	0	
7439965	MANGANESE	9	0001482	0	
7439976	MERCURY	9	)0001264	0	
7440020	NICKEL	9	0001056	0	
7440360	ANTIMONY	9	)0001945	0	
7440382	ARSENIC	9	)0000286	0	
7440439	CADMIUM	9	)0000633	0	
7440473	CHROMIUM	9	)0009133	0	
7440508	COPPER	9	)0097245	0	
7647010	HYDROCHLORIC ACID	9	.051864	0	
7782492	SELENIUM	9	00005644	0	
HF	HYDROFLUORIC ACID	9	)0004786	0	
NO2	NITROGEN DIOXIDE	9	0.9	0	
PB	LEAD	9	)0002345	0	
PM10	PARTICULATE MATTER 10	1		97.02	
SO2	SULFUR DIOXIDE	9	2.9	0	
VOC	VOLATILE ORGANIC COMPOUNDS	1		94.311	

Section 9: Group Information

a.) Group Number: 004	**b.) Description:** MELT POT STANDS BURNER		
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: 8 MELT POT STANDS BURNERS	
c.) Source Classification Code (SCC): 39091004	d.) Units: MMCF NATURAL GAS USED	
e.) Stack Number: 0	***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	9	84	0	
NO2	NITROGEN DIOXIDE	9	100	0	
PM10	PARTICULATE MATTER 10	1		0	
SO2	SULFUR DIOXIDE	9	0.6	0	
VOC	VOLATILE ORGANIC COMPOUNDS	9	5.5	0	