PERMIT NO. 3357-045-0008-V-05-0
ISSUANCE DATE:

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit

Facility Name:	**Southwire Company - Carrollton**
Facility Address:	**One Southwire Drive** **Carrollton, Georgia 30119, Carroll County**
Mailing Address:	**One Southwire Drive** **Carrollton, Georgia 30119**
Parent/Holding Company:	**Southwire Company**
Facility AIRS Number:	**04-13-045-00008**

In accordance with the provisions of the Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq and the Georgia Rules for Air Quality Control, Chapter 391-3-1, adopted pursuant to and in effect under the Act, the Permittee described above is issued a Part 70 Permit for:

The operation of a copper rod mill, a building wire production facility, a utility wire and cable production facility, a metal clad wire production facility, a machine shop with associated abrasive blasting and spray paint operations, a research and development facility, and emergency and peak-shaving generators.

This Permit is conditioned upon compliance with all provisions of The Georgia Air Quality Act, O.C.G.A. Section 12-9-1, et seq, the Rules, Chapter 391-3-1, adopted and in effect under that Act, or any other condition of this Permit. Unless modified or revoked, this Permit expires five years after the issuance date indicated above.

This Permit may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above, for any misrepresentation made in Title V Application TV- 40558 signed on September 26, 2016, any other applications upon which this Permit is based, supporting data entered therein or attached thereto, or any subsequent submittal of supporting data, or for any alterations affecting the emissions from this source.

This Permit is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **143** pages.

STATE OF GEORGIA
CONSTITUTION
WISDOM JUSTICE MODERATION
1776

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Richard E. Dunn, Director
Environmental Protection Division

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PART 1.0 FACILITY DESCRIPTION

1.1 Site Determination

The Cofer Technology Center (formerly AFS No. 04500043), Southwire Copper Rod Mill (AFS No. 04500008), Southwire Corporate Energy Management (formerly AFS No. 04500051), Southwire Machinery Division (formerly AFS No. 04500038), Southwire Carrollton Building Wire Plant (formerly AFS No. 04500012), and Southwire Carrollton Utility Products Plant (formerly AFS No. 04500052) comprise one Title I and Title V site. Formerly, each of these facilities had their own AFS No. and Title V Permit. These facilities currently operate under one AFS (AFS No. 04500008) that covers Southwire Company's entire Carrollton main campus.

The permitted Southwire Company – Carrollton consists of eight distinct entities. The entities are as follows:

- Building Wire Plant [BWP] – formerly permitted as Southwire Company – Carrollton Building Wire Plant
- MC [Metal Clad] Plant– formerly permitted as Southwire Company Machine Services
- Copper Rod Mill [CRM] – formerly permitted as Southwire Company Copper Rod Mill
- Utility Products Plant [UPP] – formerly permitted as Southwire Company – Carrollton Utility Products Plant
- Machine Services Group [MSG] – formerly permitted as Southwire Company Machine Services
- Cofer Technology Center [CTC] – formerly permitted as Southwire Company – Cofer Technology Center
- Corporate Energy Management [CEM] – formerly permitted as Southwire Company Corporate Energy Management
- Southwire Tools and Assembled Products facility located at 840 Old Bremen Road (added per Title V Permit Number 3357-0008-V-04-5)

1.2 Previous and/or Other Names

Copper Division of Southwire Company
Southwire Copper Division
Southwire Company Copper Rod Mill
Southwire Company – Carrollton Building Wire Plant
Southwire Company – MC Plant
Southwire Company Corporate Energy Management
Southwire Machinery Division
Southwire Company Machine Services
Southwire Company – Cofer Technology Center
Southwire Company – Carrollton Utility Products Plant
Southwire Tools and Assembled Products

1.3 Overall Facility Process Description

The Copper Rod Mill (CRM) receives high purity copper from off-site suppliers to be melted, cast into a continuous bar, and rolled into rod. Copper is top-loaded into the gas fired shaft furnace to be melted in a reducing atmosphere. The molten copper is transferred first to the holding furnace, then to the casting operation, next to the rolling mill, and finally quenching and cooling. The rod (a.k.a. copper redraw wire) is then coiled and staged in the warehouse to await shipment.

The Utility Products Plant (UPP) produces insulated and non-insulated aluminum and copper wire and cable. UPP sizes and insulates electrical wire and cable. First, a coil of rod is despooled, and the size of the rod is reduced in a mechanical drawing process to the desired diameter wire. From drawing, the wire goes to an annealer, which relieves stresses caused by the drawing process. Typically, multiple wires are stranded together into a cable and then routed to an extrusion line, which applies an insulation coating. Insulated cable may be labeled by an inkjet printing system, if required.

The Building Wire Plant (BWP) produces insulated and non-insulated copper and aluminum wire. The plastics blending area produces plastic compound pellets from plastic resins, plasticizers, fire retardants, fillers, and other ingredients. The blended material goes to a heated extrusion process, is quenched in chilled water, diced into pellets, and transferred into silos for on-site use or containers for shipment to other Southwire manufacturing plants. BWP sizes and insulates electrical wire. First, a coil of rod is despooled, and the size of the rod is reduced in a mechanical drawing process. From drawing, the wire goes to an annealer, which relieves stresses caused by the drawing process. The wire is then routed to an extrusion line, which applies an insulation coating. Depending on the product, a jacket can also be applied to the wire. Insulated wire is then labeled by an inkjet or contact wheels printing system.

The MC Plant (MC) produces metal clad armored wire and conduit. Similar to BWP and UPP, the MC plant operates drawing, extrusion, and ink application processes. The main operation at this facility is to enclose finished wire in an aluminum or steel flexible conduit. MC also operates liquid-tight extrusion lines where a water-proof plastic coating is extruded onto a flexible conduit. In addition, MC operates a strip coating process to apply an ultraviolet light-cured coating onto aluminum strip.

The Machine Services Group (MSG) is a support operation for Southwire's manufacturing operations and Southwire Copper Rod division. MSG operates various metalworking operations to produce/repair parts and equipment, several abrasive blast booths to prepare metal surfaces for painting, and a paint booth to coat finished parts.

Cofer Technology Center (CTC) is Southwire’s research and development facility for the analysis of electrical wire and cable properties in support of manufacturing operations.

Southwire maintains a diesel ITS Generator set to provide backup electrical power to corporate ITS operations. Southwire also operates three Waukesha engines and associated generators to provide emergency and peaking power to the Copper Rod Mill.

Southwire also operates a reel cleaning, repair, and painting operation including a spray paint booth, welding operations, power washing operations, and a scrap chopper.

PART 2.0 REQUIREMENTS PERTAINING TO THE ENTIRE FACILITY

2.1 Facility Wide Emission Caps and Operating Limits

None applicable.

2.2 Facility Wide Federal Rule Standards

None applicable.

2.3 Facility Wide SIP Rule Standards

2.3.1 The Title I site, defined in Section 1.1, is subject to Georgia Rule 391-3-1-.02(2)(tt). [391-3-1-.02(2)(tt)]

2.4 Facility Wide Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit

None applicable.

PART 3.0 REQUIREMENTS FOR EMISSION UNITS

Note: Except where an applicable requirement specifically states otherwise, the averaging times of any of the Emissions Limitations or Standards included in this permit are tied to or based on the run time(s) specified for the applicable reference test method(s) or procedures required for demonstrating compliance.

Southwire's Carrollton main campus consists of eight distinct entities. Therefore, Parts 3.0 through 6.0 of this Permit have been separated into nine sections and an alphabetic character has been added to each Permit Condition number to indicate which entity is subject to that Part or Condition. The alphabetic characters have been assigned as follows:

A – Campus-wide or multi-facility [MULTI]
B – Building Wire Plant [BWP]
C – MC Plant [MC]
D – Copper Rod Mill [CRM]
E – Utility Products Plant [UPP]
F – Machine Services Group [MSG]
G – Cofer Technology Center [CTC]
H – Corporate Energy Management [CEM]
I – Tools and Assembled Products [TAP]

3.1 Emission Units

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
Building Wire Plant (B)					
Process Group – Extrusion Line 750-36					
P652	Extruders 750-36	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P653	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C653	Dust Filters
P654	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 740-06					
P640	Extruders 740-06	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P641	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C641	Dust Filters
P642	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 740-42					
P649	Extruders 740-42	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P650	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C650	Dust Filters
P651	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Tandem Extrusion Line 750-29					
P644	Extruders 750-29	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P645	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C645	Dust Filters
P646	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P656	Cu Drawing Machine with Annealer 420-29	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1. 3.2.A.2, 3.2.A.3, 3.2.B.3, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.B.9	None	NA
Process Group – Extrusion Line 750-22					
P631	Extruders 750-22	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P632	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C632	Dust Filters
P633	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 750-30					
P634	Extruders 750-30	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P635	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C635	Dust Filters
P636	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 750-31					
P637	Extruders 750-31	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P638	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C638	Dust Filters
P639	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Tandem Extrusion Line 750-33					
P658	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C658	Dust Filters
P657	Extruders 750-33	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P659	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P142	Drawing Machine with Annealer 420-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
Process Group – Extrusion Line 740-44					
P663	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C663	Dust Filters
P662	Extruders 740-44	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P664	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group –Extrusion Line TH-6					
P666	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.2.A.9, 6.2.A.10, 6.2.A.11	C666	Dust Filters

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P665	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P667	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Tandem Extrusion Line TL-7					
P673	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C673	Dust Filters
P672	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 3.5.B.1, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P674	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P682	Cu Drawing Machine with Anealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.2.B.3, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.B.9	None	NA
Process Group – Extrusion Line 750-35					
P676	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C676	Dust Filters
P675	Extruders 750-35	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P677	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 750-34					
P323	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P324	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C324	Dust Filters
P325	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 750-38					
P679	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C679	Dust Filters
P678	Extruders 750-38	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P680	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Process Group – Extrusion Line 750-08					
P112	Extruders 750-08	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H112	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C112	Dust Filters
I112	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 750-04					
P113	Extruders 750-04	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H113	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C113	Dust Filters
I113	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 750-02					
P114	Extruders 750-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H114	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C114	Dust Filters
I114	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 740-03					
P118	Extruders 740-03	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H118	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C118	Dust Filters
I118	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 750-03					
P119	Extruders 750-03	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H119	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C119	Dust Filters
P687	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 750-06					
P122	Extruders 750-06	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H122	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C122	Dust Filters
I122	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P139	Drawing Machine 420-08	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Process Group – Extrusion Line 750-07					
P117	Extruders 750-07	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H117	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C117	Dust Filters
P688	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 750-09					
P123	Extruders 750-09	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H123	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C123	Dust Filters
P140	Drawing Machine 420-09	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 740-18					
P115	Extruders 740-18	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H115	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C115	Dust Filters
I115	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Tandem Extrusion Line 750-18					
P157	Extruders 750-18	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P617	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C010	Dust Filters
P158	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P144	Drawing Machine 420-18	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group - Extrusion Line 710-10					
P159	Extruders 710-10	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P624	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C023	Dust Filters
P160	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group - Extrusion Line 740-05					
P162	Extruders 740-05	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P627	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C013	Dust Filters
P161	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Process Group – Extrusion Line 720-04					
P691	Extruders 720-04	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H691	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C691	Dust Filters
I691	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 730-03					
P692	Extruders 730-03	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
H692	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C692	Dust Filters
I692	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 750-26					
P693	Extruders 750-26	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P694	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C694	Dust Filters
P695	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Miscellaneous					
CT1	Cooling Tower 3063-70	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 6.2.A.11	None	NA
CT2	Cooling Tower 3063-71	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 6.2.A.11	None	NA
P154A	Gas Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(g) 391-3-1-.02(2)(tt)	3.2.B.1, 3.2.B.2, 3.4.B.1, 3.4.B.2, 3.4.B.3, 6.1.B.7, 6.2.B.1, 6.2.B.2, 6.2.B.3	None	NA
P154B	Tooling Cleaner	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	3.2.B.1, 3.2.B.2, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.B.1, 6.2.B.2, 6.2.B.3	None	NA
P643	Cu Drawing Machine with Annealer 420-30	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.2.B.3, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.B.9	None	NA
P647A	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P647B	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P647A	None	NA
P648A	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P647A	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P648B	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P647A	None	NA
P655	Ink Wash Station 865-17	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P660	Cu Drawing Machine with Annealer 420-10	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1. 3.2.A.2, 3.2.A.3, 3.2.B.3, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.B.9	None	NA
P661	Cu Seven-Wire Drawing Machine with Annealer 485-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.2.B.3, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.B.9	None	NA
P668	Rework Line Printer 975-73	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P669	Floater Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.B.1, 3.4.B.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P670	Raw Material Silo 792-01	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.2, 5.2.B.3, 6.1.B.7, 6.2.A.11, 6.2.B.7, 6.2.B.8	C670	Bin Vent Filter
P671	Raw Material Silo 792-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.2, 5.2.B.3, 6.1.B.7, 6.2.A.11, 6.2.B.7, 6.2.B.8	C671	Bin Vent Filter
P681	Cu/Al Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.1, 6.1.B.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11	C681	Oil Mist Collector
P683	PVC Storage Silo 792-07	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.2, 5.2.B.3, 6.1.B.7, 6.2.A.11, 6.2.B.7, 6.2.B.8	C683	Bin Vent Filter
P684	PVC Storage Silo	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.2, 5.2.B.3, 6.1.B.7, 6.2.A.11, 6.2.B.7, 6.2.B.8	C684	Bin Vent Filter
P685	PVC Storage Silo	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.B.1, 3.4.B.2, 5.2.B.2, 5.2.B.3, 6.1.B.7, 6.2.A.11, 6.2.B.7, 6.2.B.8	C685	Bin Vent Filter
P689	Cu Drawing Machine with annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.B.3, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.A.3	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P690	Tooling Cleaning Unit	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.B.4, 3.2.B.5, 3.4.B.1, 3.4.B.2, 6.1.B.7, 6.2.B.4, 6.2.B.5, 6.2.B.6	None	NA
P696	Tooling Cleaning Unit	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.B.4, 3.2.B.5, 3.4.B.1, 3.4.B.2, 6.2.B.4, 6.2.B.5, 6.2.B.6	None	NA
Process Group – PVC and Nylon Extrusion Line S1 (12FL)					
P921	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P922	Hoppers	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.B.1, 3.4.B.2	C922	Dust Filters
P923	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
Process Group – PVC and Nylon Extrusion Line S2 (12FL)					
P924	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P925	Hoppers	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.B.1, 3.4.B.2	C925	Dust Filters
P926	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
Process Group – PVC and Nylon Extrusion Line S3 (12FL)					
P927	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA
P928	Hoppers	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.B.1, 3.4.B.2	C928	Dust Filters
P929	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.B.1, 3.4.B.2	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
MC Plant [C]					
Process Group – Extrusion Line 740-51					
P326	Extruders 740-51	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P327	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 5.2.C.1, 6.1.C.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C327	Dust Filters
P328	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Tandem Extrusion Line 756-01					
P330	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 5.2.C.1, 6.1.C.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C330	Dust Filters
P329	Extruders 756-01	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P331	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P332	Cu Drawing Machine with Annealer 420-32	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.2.C.1, 3.4.C.1, 3.4.C.2, 6.1.C.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.C.8	None	NA
Process Group – Extrusion Line JL3					
P334	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 5.2.C.1, 6.1.C.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C334	Dust Filters
P333	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P335	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line JL4					
P337	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 5.2.C.1, 6.1.C.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C337	Dust Filters
P336	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P338	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line TH2					
P347	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 5.2.C.1, 6.1.C.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C347	Dust Filters
P346	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P348	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line TH3					
P350	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 5.2.C.1, 6.1.C.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C350	Dust Filters
P349	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
P351	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group: LT Extrusion Line 740-55					
P352	Extruders 740-55	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.C.1, 3.4.C.2	None	NA
P353	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P354	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group: Extrusion Line LT2					
P355	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.C.1, 3.4.C.2	None	NA
P356	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P357	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Miscellaneous					
P319A	Buncher 680-44 Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.C.1, 3.4.C.2, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P319B	Coiler 842-55 Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P320A	Rewinder 825-02 Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P320B	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P321A	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P321B	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P322A	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P322B	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P345	Floater Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
P339 thru P344	Buncher Ink Application Systems P339 through P344	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P319A	None	NA
MC1 thru MC75	MC Armoring Lines 1 through 75	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.3, 3.4.C.1, 3.4.C.2, 6.2.A.11	None	NA
P358	UV light-Cured Ink Application Systems 981-10	40 CFR 60 Subpart A 40 CFR 60 Subpart TT 40 CFR 63 Subpart A 40 CFR 63 Subpart SSSS 391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(v)	3.3.C.1, 3.3.C.2, 3.3.C.3, 3.3.C.4, 3.4.C.1, 3.4.C.2, 3.4.C.3, 3.4.C.4, 4.2.C.1, 4.2.C.2, 6.1.C.7, 6.2.C.1, 6.2.C.2, 6.2.C.3, 6.2.C.4, 6.2.C.5, 6.2.C.6, 6.2.C.7	None	NA
P360	Electric Parts Cleaning Unit	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.C.2, 3.4.C.1, 3.4.C.2, 6.2.C.9, 6.2.C.10, 6.2.C.11	None	NA
P361 thru P380	MC Armoring Line Printers P361 through P380	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt) 40 CFR 63 Subpart A 40 CFR 63 Subpart MMMM	3.3.C.5, 3.3.C.6, 3.3.C.7, 3.3.C.8, 3.3.C.9, 3.4.C.1, 3.4.C.2, 3.4.C.5, 3.4.C.6, 6.1.C.7, 6.2.C.12, 6.2.C.13, 6.2.C.14, 6.2.C.15, 6.2.C.16	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Copper Rod Mill (D)					
Process Group – Rod Mill					
F409	Rod Mill Shaft Furnace	391-3-1-.02(2)(e) 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.D.1, 3.4.D.1, 3.4.D.2, 3.4.D.3, 3.4.D.5, 6.1.D.7, 6.2.D.1, 6.2.D.2, 6.2.D.3	None	NA
Q467	Rod Mill Quenching and Cooling System	40 CFR 64 391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.D.1, 3.4.D.1, 3.4.D.2, 3.4.D.4, 3.4.D.5, 5.2.D.2, 5.2.D.3, 6.1.D.7, 6.2.D.1, 6.2.D.2, 6.2.D.3	A467 F409	Vapor Recovery System Rod Mill Shaft Furnace
Miscellaneous					
P477	Cu Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.2.D.2, 3.4.D.1, 3.4.D.2, 6.1.D.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11, 6.2.D.7	None	NA
P478	Cu/Al Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.D.1, 3.4.D.2, 5.2.D.1, 6.1.D.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11	C478	Oil Mist Collector
F476	Electric Induction Vertirod Copper Rod Production Unit	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.D.1, 3.4.D.2, 3.4.D.3, 6.2.A.7, 6.2.A.11, 6.2.D.4, 6.2.D.5, 6.2.D.6	None	NA
BE1	Bucket Elevator 1	391-3-1-.02(2)(n)	3.2.A.1, 3.2.A.3, 3.4.D.6, 3.4.D.7, 6.2.A.11	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Utility Products Plant (E)					
Process Group – Extrusion Line 735-08					
P736	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.E.1, 3.4.E.3, 5.2.E.3, 6.1.E.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C736	Dust Filters
P735	Extruders 735-08	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.5, 6.2.A.6, 6.2.A.7, 6.2.E.26, 6.2.E.27	None	NA
P737	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group - Extrusion Line 750-45					
P742	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.E.1, 3.4.E.3, 5.2.E.3, 6.1.E.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C742	Dust Filters
P741	Extruders 750-45	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.5, 6.2.A.6, 6.2.A.7, 6.2.E.26, 6.2.E.27	None	NA
P743	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line 735-16					
P749	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.E.1, 3.4.E.3, 5.2.E.3, 6.2.A.9, 6.2.A.10, 6.2.A.11	C749	Dust Filters
P748	Extruders 735-16	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.5, 6.2.A.6, 6.2.A.7, 6.2.E.26, 6.2.E.27	None	NA
P750	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
Process Group – Extrusion Line					
P752	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.2.A.1, 3.2.A.3, 3.4.E.1, 3.4.E.3, 5.2.E.3, 6.1.E.7, 6.2.A.9, 6.2.A.10, 6.2.A.11	C752	Dust Filters
P751	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.5, 6.2.A.6, 6.2.A.7, 6.2.E.26, 6.2.E.27	None	NA
P753	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P754	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P755	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Process Group –Extrusion Line 750-05					
P250	Extruders 750-05	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H250	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P251	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 720-05					
P254	Extruders 720-05	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H254	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P255	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 731-01					
P258	Extruders 731-01	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.5, 6.2.A.6, 6.2.A.7	None	NA
H258	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.E.1, 3.4.E.3	None	NA
P259	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
Process Group – Extrusion Line 730-02					
P260	Extruders 730-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H260	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P261	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 740-02					
P262	Extruders 740-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H262	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P263	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 735-03					
P264	Extruders 735-03	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H264	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P265	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Process Group – Extrusion Line 735-09					
P266	Extruders 735-09	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H266	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P267	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 735-14					
P293	Extruders 735-14	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H293	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
I293	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 735-15					
P294	Extruders 735-15	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H294	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
I294	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Process Group – Extrusion Line 910-00					
P299	Extruders 910-00	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	N/A
I299	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	N/A
H299	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	N/A
Process Group – Extrusion Line 737-02 (CIC2)					
P764	Extruders 737-02	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
P765	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C765	Dust Filters
Process Group – Extrusion Line 737-01 (CIC1)					
P770	Extruders 737-01	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
P771	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		C771	Dust Filters
Process Group – Extrusion Line 737-03 (CIC3)					
P783	Extruders CIC3	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
P784	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
UPP Main Plant Miscellaneous					
P280	Plastic Pellet Silo North 3065-09	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.E.1, 3.4.E.3, 3.5.E.1, 5.2.E.2, 6.1.E.7,	C280	Fabric Filter
P281	Plastic Pellet Silo South 3065-09	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P280	C281	Fabric Filter
P760	Plastic Pellet Silo 3065-10	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P280	C760	Fabric Filter
P761	Plastic Pellet Silo 3065-06	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P280	C761	Fabric Filter
CS5	1.5 MMBtu/hr Preheat Oven 3059-16	391-3-1-.02(2)(d) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g)	3.4.E.1, 3.4.E.3	None	NA
CS6	1.5 MMBtu/hr Preheat Oven 3059-14	391-3-1-.02(2)(d) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g)	Same as CS5	None	NA
CS9	1.5 MMBtu/hr Preheat Oven 3059-15	391-3-1-.02(2)(d) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g)	Same as CS5	None	NA
P721	5.21 MMBtu/hr Annealing Furnace 1080-21	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.E.1, 3.4.E.3, 3.4.E.5, 6.2.A.7, 6.2.A.11	None	NA
P723-P734	Flame Burners	391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.E.2, 3.4.E.4, 3.4.E.5, 6.2.A.7, 6.2.A.11	None	NA
P744	Drawing Machine with Annealer 450-05	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.E.1, 3.4.E.3, 5.2.E.3, 6.1.E.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11	C744	Oil Mist Collector
P745	Parts Cleaner with Afterburner	391-3-1-.02(2)(e) 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.1, 3.2.E.2, 3.4.E.1, 3.4.E.3, 3.4.E.5, 6.1.E.7, 6.2.E.4, 6.2.E.5, 6.2.E.6	None	NA
P746	Floater Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.2, 3.4.E.1, 3.4.E.3, 6.2.A.1, 6.2.A.2, 6.2.A.7	None	NA
P747	Floater Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P746	None	NA
P756	Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.E.1, 3.4.E.3, 5.2.E.3, 6.1.E.7, 6.2.A.3, 6.2.A.4, 6.2.A.7, 6.2.A.8, 6.2.A.11	C756	Oil Mist Collector
P759	Electric Induction Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	NA	None
P766	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
P767	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P768	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA
P769	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA
P772	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA
P773	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA
P774	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA
P775	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P766	None	NA
P001	Spray Paint Booth	40 CFR 63 Subpart A 40 CFR 63 Subpart MMMM 391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.3.E.1, 3.3.E.2, 3.3.E.3, 3.3.E.4, 3.3.E.5, 3.4.E.1, 3.4.E.3, 3.4.E.6, 3.4.E.7, 5.2.E.1, 5.2.E.4, 6.1.E.7, 6.2.E.1, 6.2.E.2, 6.2.E.3, 6.2.E.23, 6.2.E.24, 6.2.E.25	C001	Overspray Filter
P786	Electric Fluidized Bed Tooling Cleaning Unit	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.5, 3.2.E.6, 3.4.E.1, 3.4.E.3, 6.1.E.7, 6.2.E.20, 6.2.E.21, 6.2.E.22	None	N/A
Process Group: Extrusion Line CV6					
P501	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.3, 3.2.E.4, 3.4.E.1, 3.4.E.3, 3.5.E.3, 3.5.E.4, 6.1.E.7, 6.2.E.15, 6.2.E.16, 6.2.E.17, 6.2.E.18, 6.2.E.19	None	NA
P502	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.E.1, 3.4.E.3	None	NA
P503	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.3, 3.4.E.1, 3.4.E.3, 6.1.E.7, 6.2.E.7, 6.2.E.8, 6.2.E.17	None	NA
Process Group: Extrusion Line CV7					
P504	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P501	None	NA
P505	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P502	None	NA
P506	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P503	None	NA
Process Group: Extrusion Line CV8					
P507	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.3, 3.2.E.4, 3.4.E.1, 3.4.E.3, 3.5.E.3, 6.1.E.7, 6.2.E.15, 6.2.E.16, 6.2.E.17, 6.2.E.18, 6.2.E.19	None	NA
P508	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P502	None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	Description	Applicable Requirements/Standards	Corresponding Permit Conditions	ID No.	Description
P509	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P503	None	NA
Process Group: Extrusion Line CV9					
P510	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P507	None	NA
P511	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P502	None	NA
P512	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P503	None	NA
Process Group: Extrusion Line CV10					
P513	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P507	None	NA
P514	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P502	None	NA
P515	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P503	None	NA
Process Group: Extrusion Line CV11					
P516	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P507	None	NA
P517	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P502	None	NA
P518	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P503	None	NA
Process Group: Extruder Line 735-17					
P519	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.3, 3.4.E.1, 3.4.E.3, 6.1.E.7, 6.2.E.11, 6.2.E.12, 6.2.E.17	None	NA
P520	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.E.1, 3.4.E.3	None	NA
Process Group: Extruder Line 735-18					
P521	Extruders	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P519	None	NA
P522	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	Same as P520	None	NA
UPP Medium Voltage Miscellaneous					
P523	12-hour Natural Gas-Fired Annealing Furnace	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(tt)	3.2.E.3, 3.4.E.1, 3.4.E.5, 4.2.E.1, 6.1.E.7, 6.2.E.13, 6.2.E.14, 6.2.E.17	NA	None
P524	Single-wire Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.3, 3.4.E.1, 3.4.E.3, 3.5.E.2, 5.2.E.3, 6.1.E.7, 6.2.E.9, 6.2.E.10, 6.2.E.17	C524	Oil Mist Collector
P525	Two-wire Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P524	C525	Oil Mist Collector
P526	2-Die Drawing Machine	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.3, 3.4.E.1, 3.4.E.3, 6.2.E.9, 6.2.E.10, 6.2.E.17	NA	None

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P527	Electric Tooling Cleaning Unit	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.E.7, 3.2.E.8, 3.4.E.1, 3.4.E.3, 6.1.E.7, 6.2.E.28, 6.2.E.29, 6..2.E.30	None	NA
Process Group – Extrusion Line 737-04 (CIC4)					
P787	Extruders CIC4	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.4.E.1, 3.4.E.3	None	NA
H787	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Machine Services Group (F)					
P316	Spray Paint Booth	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt) 40 CFR 63 Subpart A 40 CFR 63 Subpart MMMM	3.3.F.1, 3.3.F.2, 3.3.F.3, 3.3.F.4, 3.3.F.5, 3.4.F.1, 3.4.F.2, 3.4.F.3, 3.4.F.4, 5.2.F.1, 6.1.F.7, 6.2.F.1, 6.2.F.2, 6.2.F.3, 6.2.F.4, 6.2.F.5, 6.2.F.6	C16A C16B	Fiberglass Filters
P308	Shot Blasting Booth	40 CFR 64 391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.F.1, 3.4.F.2, 5.2.F.1, 5.2.F.2, 5.2.F.4, 6.1.F.7, 6.2.F.1	C308	Baghouse
P306	Goff Shot Peening Machine	40 CFR 64 391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.F.1, 3.4.F.2, 5.2.F.1, 5.2.F.2, 5.2.F.3, 6.1.F.7, 6.2.F.1	C306	Fabric Filter
P307	Guyson Shot Blasting Machine	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.F.1, 3.4.F.2, 5.2.F.1, 6.1.F.7, 6.2.F.1	C307	Fabric Filter
P305	Empire Shot Blasting Machine	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)	3.4.F.1, 3.4.F.2, 5.2.F.1, 6.1.F.7, 6.2.F.1	C305	Fabric Filter

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Cofer Technology Center (G)					
P910	Vertical tray flame chamber	391-3-1-.02(2)(b) 391-3-1-.02(2)(g) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	3.2.G.1, 3.2.G.2, 3.2.G.3, 3.2.G.4, 3.2.G.8, 3.2.G.9, 3.2.G.10, 3.2.G.11, 3.2.G.12, 3.4.G.1, 3.4.G.2, 3.4.G.5, 5.2.G.1, 5.2.G.2, 5.2.G.3, 5.2.G.4, 6.1.G.7, 6.2.G.1, 6.2.G.2, 6.2.G.5	C910 OR C912	C910 – Flat bed HEAF fabric filter / mist eliminator C912 – Dual Scrubber
P912	Cone Calorimeter	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	3.2.G.1, 3.2.G.2, 3.2.G.3, 3.2.G.8, 3.2.G.9, 3.2.G.10, 3.2.G.11, 3.2.G.12, 3.4.G.1, 3.4.G.5, 5.2.G.1, 5.2.G.2, 5.2.G.3, 5.2.G.4, 6.1.G.7, 6.2.G.1, 6.2.G.2, 6.2.G.5		
P913	French Flame Chamber	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	Same as P912		
P911	0.42 MMBtu/hr Propane-Fired Boiler	40 CFR 63 Subpart A 40 CFR 63 Subpart DDDDD 391-3-1-.02(2)(d) 391-3-1-.02(2)(g) 391-3-1-.02(2)(tt)	3.3.G.1, 3.3.G.2, 3.3.G.3, 3.4.G.2, 3.4.G.4, 5.2.G.5, 6.2.G.6, 6.2.G.7	N/A	N/A
P951	Fire Test Chamber	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	3.2.G.5, 3.2.G.6, 3.2.G.7, 3.4.G.1, 3.4.G.5, 5.2.G.2, 5.2.G.3, 6.2.G.3, 6.2.G.4	C951	Scrubber
P909	CTC Extruder	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)	3.2.A.1, 3.2.A.2, 3.2.A.3, 3.4.G.1, 3.4.G.5, 6..2.A.7, 6.2.A.11	N/A	N/A

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Corporate Energy Management (H)					
P804	1,552 hp gas-fired Waukesha Engine	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt) 391-3-1-.02(2)(mmm)	3.2.H.3, 3.3.H.1, 3.3.H.3, 3.3.H.4, 3.3.H.5, 3.3.H.6, 3.3.H.7, 3.3.H.8, 3.4.H.1, 3.4.H.2, 3.4.H.3, 3.5.H.1, 4.2.H.1, 4.2.H.2, 4.2.H.3, 4.2.H.4, 4.2.H.5, 4.2.H.6, 4.2.H.7, 4.2.H.8, 4.2.H.9, 5.2.H.1, 5.2.H.2, 5.2.H.3, 5.2.H.4, 6.1.H.7, 6.2.H.1, 6.2.H.2, 6.2.H.3, 6.2.H.4, 6.2.H.5, 6.2.H.6, 6.2.H.8, 6.2.H.9, 6.2.H.10	C804	Air/Fuel Ratio Controller and Non-Selective Catalytic Reduction
P805	1,548 hp gas-fired Waukesha Engine	40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt) 391-3-1-.02(2)(mmm)	See P804	C805	Air/Fuel Ratio Controller and Non-Selective Catalytic Reduction
P806	1,548 hp gas-fired Waukesha Engine	40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt) 391-3-1-.02(2)(mmm)	See P804	C806	Air/Fuel Ratio Controller and Non-Selective Catalytic Reduction
P807	752 hp diesel-fired ITS Generator	40 CFR 60 Subpart A 40 CFR 60 Subpart IIII 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.H.1, 3.2.H.2, 3.3.H.2, 3.3.H.9, 3.3.H.13, 3.3.H.15, 3.4.H.1, 3.4.H.4, 6.1.H.7, 6.2.H.1, 6.2.H.7, 6.2.H.13	None	None
P808	50 kW diesel-fired CRM backup telephone generator	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.3.H.11, 3.3.H.14, 3.4.H.1, 5.2.H.5, 6.1.H.7, 6.2.H.11, 6.2.H.12	None	None
P809	11 kW gas-fired CRM backup lighting generator	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P810	None	None
P810	22 kW gas-fired backup scale house generator	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.3.H.12, 3.3.H.14, 3.4.H.1, 5.2.H.5, 6.1.H.7, 6.2.H.11, 6.2.H.12	None	None
P811	7 kW gas-fired backup MSG warning horn generator	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P810	None	None

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
P813	500 kW diesel-fired backup storm water generator	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.2.H.1, 3.2.H.2, 3.3.H.10, 3.4.H.1, 6.1.H.7, 6.2.H.1	None	None
P817	7 kW gas-fired backup UPP warning horn generator	40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P810	None	None
P818	9 kW natural gas-/propane fired backup BWP lighting generator	40 CFR 60 Subpart A 40 CFR 60 Subpart JJJJ 40 CFR 63 Subpart A 40 CFR 63 Subpart ZZZZ 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	Same as P810	None	None

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
Tools and Assembled Products (I)					
P970	Blade Coating	40 CFR 63 Subpart A 40 CFR 63 Subpart MMMM 391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)	3.3.I.1, 3.3.I.2, 3.3.I.3, 3.3.I.4, 3.3.I.5, 3.4.I.1, 3.4.I.2, 3.4.I.3, 3.4.I.4, 5.2.I.1, 6.1.I.7, 6.2.I.1, 6.2.I.2, 6.2.I.3, 6.2.I.4, 6.2.I.5	None	NA

* Generally applicable requirements contained in this permit may also apply to emission units listed above. The lists of applicable requirements/standards and corresponding permit conditions are intended as a compliance tool and may not be definitive.

3.2.A Equipment Emission Caps and Operating Limits [MULTI]

3.2.A.1 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall not discharge, or cause the discharge, into the atmosphere, particulate matter with an aerodynamic diameter less than 10 microns (PM_{10}) in excess of 14 tons during any consecutive 12-month period from Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P332, P744, and P756; Storage Silos P670, P671, P683, P684, and P685; and Pellet Hoppers P632, P635, P638, P641, P645, P650, P653, P658, P663, P666, P673, P676, P679, P324, P327, P330, P334, P337, P347, P350, P736, P742, P749, and P752; Annealing Furnace P721; Flame Burners P723-P734; Vertirod F476; Bucket Elevator BE1; Cooling Towers CT1 and CT2; MC Armoring Lines MC1 through MC75; and CTC Extruder.
[391-3-1-.03(2)(c), 40 CFR 52.21 Avoidance]

3.2.A.2 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall not discharge, or cause the discharge, into the atmosphere, volatile organic compounds (VOC) in excess of 39 tons during any consecutive 12-month period from Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P332, P744 and P756; Plastic Extrusion Lines P631, P634, P637, P640, P644, P649, P652, P657, P662, P665, P672, P675, P678, P323, P326, P329, P333, P336, P346, P349, P258 (stripe extruder only), P735, P741, P748, and P751; Ink Application Systems P633, P636, P639, P642, P646, P647A&B, P648A&B, P651, P654, P659, P664, P667, P668, P669, P674, P677, P680, P319A&B, P320A&B, P321A&B, P322A&B, P325, P328, P331, P335, P338-P345, P348, P351, P737, P743, P746, P747, P750, and P753-P755; Vertirod F476; Ink Wash Station P655; Annealing Furnace P721; Flame Burners P723-P734; and CTC Extruder.
[391-3-1-.03(2)(c), 40 CFR 52.21 Avoidance]

3.2.A.3 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall not discharge, or cause the discharge, into the atmosphere, particulate matter with an aerodynamic diameter less than 2.5 microns ($PM_{2.5}$) in excess of 14 tons during any consecutive 12-month period from Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P332, P744, and P756; Storage Silos P670, P671, P683, P684, and P685; and Pellet Hoppers P632, P635, P638, P641, P645, P650, P653, P658, P663, P666, P673, P676, P679, P324, P327, P330, P334, P337, P347, P350, P736, P742, P749, and P752; Annealing Furnace P721; Flame Burners P723-P734; Vertirod F476; Bucket Elevator BE1; Cooling Towers CT1 and CT2; MC Armoring Lines MC1 through MC75; and CTC Extruder.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance]

3.3.A Equipment Federal Rule Standards [MULTI]

None Applicable.

3.4.A Equipment SIP Rule Standards [MULTI]

Not Applicable.

3.5.A Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [MULTI]

None Applicable.

3.2.B Equipment Emission Caps and Operating Limits [BWP]

3.2.B.1 The Gas Oven (P154A) and Tooling Cleaner (P154B) may be used to burn polyethylene, polyvinyl chloride (PVC), nylon, or other non-halogenated plastic and rubber compounds off of equipment parts. The gas oven and tooling cleaner may not be used to burn any other type of insulation and these units shall not be operated to clean PVC-coated parts more than 14 hours combined per calendar week.
[Toxic Guideline - 391-3-1-.02(a)1.]

3.2.B.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from Gas Oven (P154A) or Tooling Cleaner (P154B), hydrochloric acid (HCl) emissions in excess of 3.5 pounds per hour combined.
[Toxic Guideline - 391-3-1-.02(a)1.]

3.2.B.3 Building Wire Plant shall only process copper on Drawing Machines P643, P656, P660, P661, P682, and P689.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance, 40 CFR 52.21 Avoidance]

3.2.B.4 Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 shall be used to clean residue from polyethylene, cross-linked polyethylene, polypropylene, and other non-halogenated plastic and rubber coated parts only. The Permittee shall not use Tooling Cleaning Unit P690 or Tooling Cleaning Unit P696 to clean residue from any PVC-Coated parts. Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 shall not operate simultaneously.
[Toxic Guideline - 391-3-1-.02(2)(a)3.(ii)]

3.2.B.5 The Permittee shall not use Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 to clean more than 56 pounds of residue per week combined from polyethylene, cross-linked polyethylene, polypropylene, and other non-halogenated plastic and rubber coated parts. Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 shall not operate simultaneously.
[Toxic Guideline - 391-3-1-.02(2)(a)3.(ii)]

3.3.B Equipment Federal Rule Standards [BWP]

None Applicable.

3.4.B Equipment SIP Rule Standards [BWP]

3.4.B.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere emissions which contain PM in excess of the rate derived from the equation noted below:
[391-3-1-.02(2)(e)1.]

a. For process input weight rate up to and including 30 tons/hr:

$E = 4.1P^{0.67}$; or

b. For process input weight rate above 30 tons/hr:

$E = 55P^{0.11} - 40$

where E equals the allowable PM emission rate in pounds per hour, and P equals the total dry process weight input rate in tons per hour.

3.4.B.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, visible emissions the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.B.3 The Permittee shall not burn any fuel in Gas Oven P154A whose sulfur content exceeds 2.5 percent, by weight.
[391-3-1-.02(2)(g)2.]

3.5.B Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [BWP]

3.5.B.1 The Permittee shall install stacks associated with proposed extrusion line P672 at a height of 40 feet without a rain cap. The stack installation shall be completed prior to startup of extrusion line P672. As an alternative, the Permittee may install line P672 with an alternative stack configuration in accordance with a Division-approved air toxics assessment.
[Toxic Guideline - 391-3-1-.02(a)1.]

3.2.C Equipment Emission Caps and Operating Limits [MC]

3.2.C.1 MC Plant shall only process copper on Drawing Machine P332.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance, 40 CFR 52.21 Avoidance]

3.2.C.2 The Permittee shall not burn off plastic compound using the Parts Cleaning Unit P360 in excess of 25 pounds per week.
[Toxic Guideline - 391-3-1-.02(2)(a)3.(ii) and 391-3-1-.03(2)(c)]]

3.3.C Equipment Federal Rule Standards [MC]

3.3.C.1 The Permittee shall comply with all applicable provisions of the New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart TT - "Standards for Metal Coil Surface Coating" for operation of the UV light-cured ink application systems (Source Code: P358).
[40 CFR 60 Subpart TT]

3.3.C.2 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart SSSS - "Standards for Surface Coating of Metal Coil" for operation of the UV light-cured ink application systems (Source Code: P358).
[40 CFR 63 Subpart SSSS]

3.3.C.3 The Permittee shall not emit VOC emissions from P358 as defined by 40 CFR 60.460(a) and (b) and 40 CFR 60.461 in excess of 0.28 kilogram VOC per liter (kg VOC/l) of coating solids applied for each calendar month.

The requirements of this condition apply to each prime coat operation, each finish coat operation, and each prime and finish coat operation combined when the finish coat is applied wet on wet over the prime coat and both coatings are cured simultaneously.
[40 CFR 60.462(a)(1); 40 CFR 60.460(a); and 40 CFR 60.463(c)]

3.3.C.4 The Permittee shall not allow organic HAP emission from P358 in excess of 0.046 kilogram (kg) of organic HAP per liter of solids applied during each 12-month compliance period.

The Permittee shall comply with the standard at all times, including periods of startup, shutdown, and malfunction.

The initial compliance period begins upon startup and ends on the last day of the 12^{th} month following the compliance date. If the compliance date falls on any day other than the first day of the month, then the initial compliance period extends through the month plus the next 12 months. When demonstrating continuous compliance, a compliance period consists of 12 months. Each month after the end of the initial compliance period as defined in 40 CFR 63.513(d) is the end of a compliance period consisting of that month and the preceding 11 months.

The requirements of this condition apply to the collection of all coil coating lines of P358 as defined by § 63.5110.
[40 CFR 63.5100; 40 CFR 63.5120(a)(2); 40 CFR 63.5130(d); 40 CFR 63.5130(e); 40 CFR 63.5140(a)]

3.3.C.5 The Permittee shall limit organic HAP emissions from Printers P361 through P380 and associated items listed in 40 CFR 63.3882(b)(1) through (4) that are used for surface coating to no more than 2.6 pound (lb) organic HAP per gallon (gal) coating solids used during each 12-month compliance period. The Permittee shall be in compliance with this emission limit at all times.
[40 CFR 63.3882(b)(1) through 40 CFR 63.3882(b)(4), 40 CFR 63.3890(b)(1), 40 CFR 63.3890(c)(1), and 40 CFR 63.3900(a)(1)]

3.3.C.6 The Permittee shall include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in the Printers P361 through P380 and associated items listed in 40 CFR 63.3882(b)(1) through (4) when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in 40 CFR 63.3890. To make this determination, Permittee must use at least one of the following compliance options listed in paragraphs (a) and (b) of this permit condition. The Permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The Permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The Permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, Permittee may not use different compliance options at the same time on the same coating operation. If the Permittee switches between compliance options for any coating operation or group of coating operations, the Permittee must document this switch as required by 40 CFR 63.3930(c), and shall report it in the next semiannual compliance report required in 40 CFR 63.3920.
[40 CFR 63.3891, 40 CFR 63.3891(a) and (b), 40 CFR 63.3940, 40 CFR 63.3941, 40 CFR 63.3942, 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952]

a. *Compliant material option.* The Permittee shall demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The Permittee shall meet all the requirements of 40 CFR 63.3940, 40 CFR 63.3941, and 40 CFR 63.3942 to demonstrate compliance with the applicable emission limit using this option.

b. *Emission rate without add-on controls option.* The Permittee shall demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. The Permittee shall meet all the requirements of 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952 to demonstrate compliance with the emission limit using this option.

3.3.C.7 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart MMMM – "National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products", and Federal Rule 40 CFR 63 Subpart A – "General Requirements" as specified in Table 2 of 40 CFR 63, Subpart MMMM for the operation of Printers P361-P380 and associated items listed in 40 CFR 63.3882(b)(1) through (4).
[40 CFR 63, Subpart MMMM and Table 2 of 40 CFR 63, Subpart MMMM]

3.3.C.8 Predominant Activity Emission Limit – All surface coating operations shall comply with the emission limit, as reflected in Permit Condition 3.3.C.5, for the predominant activity. The predominant activity is the subcategory of coating operations, which represents 90 percent or more of the coating activity at the facility. This emission limit is only available where the predominant activity is the general use subcategory of 40 CFR 63, Subpart MMMM. The determination of predominant activity shall be made based on the relative volume of coating solids used and shall be calculated using coating consumption and volume solids content. Surface coating operations that are one percent or less of the total coating activities at the facility are not included in the applicability determination, but are included in compliance calculations. The predominant activity calculation results shall be recalculated each year and submitted along with the next semiannual compliance report required by Permit Condition 6.2.C.14.
[40 CFR 63.3890(c)(1)]

3.3.C.9 Facility-Specific Emission Limit – The Permittee may calculate and comply with a facility-specific emission limit for all surface coating operations at the facility, including surface coating subject to another 40 CFR 63 standard. Calculation of the facility-specific emission limit shall use the equation in this condition; and shall include all surface coating operations, except for surface coating operations that comprise one percent or less of the total coating activities at the facility.
[40 CFR 63.3890(c)(2)]

$$Facility-Specific\ Emission\ Limit = \frac{\sum_{i=1}^{n}(Limit_i)(Solids_i)}{\sum_{i=1}^{n}(Solids_i)}$$ Equation 1 of 40 CFR 63.3890

Where:

Facility-Specific Emission Limit = Facility-specific emission limit for each 12-month compliance period, lb organic HAP per lb coating solids used

$Limit_i$ = Emission limit applicable to coating operation i in units of lb organic HAP per lb coating solids used.

$Solids_i$ = The gal of coating solids used in coating operation i during the 12-month compliance period. This value must be calculated using the coating consumption and volume solids content.

n = The number of different coating operations included in the facility-specific emission limit.

Compliance with a facility-specific emission limit, as defined in 40 CFR 63, Subpart MMMM and with the emission limits for 40 CFR 63, Subpart MMMM constitutes compliance with 40 CFR 63, Subpart MMMM and any other surface coating NESHAP that is applicable to the facility. Determination of the rolling 12-month facility-specific emission limit and compliance calculations shall be performed as described in 40 CFR 63.3890(c)(2). For each rolling 12-month compliance period the emissions of organic HAP shall not exceed the rolling 12-month facility-specific emission limit. The monthly facility-specific emission limit shall be included in the semiannual compliance report required by Condition 6.2.C.14. Compliance with the facility-specific emission limit must include all coating operations. Emission limits from other 40 CFR 63 standards that are based on lb organic HAP per lb coating solids must be converted to lb organic HAP per gal coating solids using the default solids density of 10.5 lb solids per gal coating solids.

3.4.C Equipment SIP Rule Standards [MC]

3.4.C.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases which contain PM in excess of the rate derived from the equation noted below.
[391-3-1-.02(2)(e)1.]

a. For process input weight rate up to and including 30 tons/hr:

$E = 4.1P^{0.67}$; or

b. For process input weight rate above 30 tons/hr:

$E = 55P^{0.11} - 40$

Where,

E = the allowable PM emission rate in pounds per hour; and

P = the total dry process weight input rate in tons per hour.

3.4.C.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases that exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.C.3 The Permittee shall not allow VOC emissions from P358 to exceed 2.6 pounds per gallon of coating, excluding water, delivered to the coating applicator from prime and topcoat or single coat operations. If any coating is delivered to the coating applicator that contains more than 2.6 pounds of VOC per gallon, the solids equivalent limit is 4.02 pounds VOC per gallon of coating solids delivered to the coating applicator.

The requirements of this condition apply to the coating applicator(s), oven(s) and quench area(s) of coil coating lines involved in prime and topcoat or single coat operations for P358.
[391-3-1-.02(2)(v)]

3.4.C.4 To comply with Permit Condition 3.4.C.3, the Permittee shall apply low solvent coating technology on P358 where each and every coating meets the limit of 2.6 pounds VOC per gallon of coating, excluding water, or by the application of low solvent coating technology where the 24-hour weighted average of all coatings on a single coating line or operation meets the solids equivalent limit of 4.02 pounds VOC per gallon of coating solids; averaging across lines is not allowed.
[391-3-1-.02(2)(v)]

3.4.C.5 The Permittee shall not discharge, or cause the discharge, into the atmosphere, volatile organic compound emissions, from the Printers P361 through P380 in excess of 3.5 pounds per gallon of coating, excluding water, delivered to the coating applicator (this limit is referred to as the "low solvent coating technology limit"). If any coating delivered to the coating applicator contains more than 3.5 pounds of VOC per gallon, excluding water, then the solids equivalent limit shall be 6.67 pounds VOC per gallon of coating solids delivered to the coating applicator.
[391-3-1-.02(2)(tt)]

3.4.C.6 The Permittee shall comply with the emission limitation specified in Condition 3.4.C.5 by one of the following:
[391-3-1-.02(2)(tt)]

a. The application of low solvent coating technology where each and every coating meets the limit of 3.5 pounds of VOC per gallon of coating, excluding water; or

b. The application of low solvent coating technology where the 24-hour weighted average of all coatings used in the Printers P361-P380 meets the solids equivalent limit of 6.67 pounds of VOC per gallon of coating solids delivered to the coating applicator.

3.5.C Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [MC]

None Applicable.

3.2.D Equipment Emission Caps and Operating Limits [CRM]

3.2.D.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the Rod Mill Shaft Furnace (F409) and the Rod Mill Quenching and Cooling System (Q467), combined, VOC emissions in excess of 73 tons during any consecutive 12-month period. [Avoidance of PSD – 40 CFR 52.21]

3.2.D.2 Copper Rod Mill shall only process copper on Drawing Machine P477.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance, 40 CFR 52.21 Avoidance]

3.3.D Equipment Federal Rule Standards [CRM]

Not Applicable.

3.4.D Equipment SIP Rule Standards [CRM]

3.4.D.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases which contain particulate matter in excess of the rate derived from the equations noted below:
[391-3-1-.02(2)(e)1.]

a. For process input weight rates up to and including 30 tons per hour:
$E = 4.1P^{0.67}$

b. For process input weight rates above 30 tons per hour:
$E = 55P^{0.11} - 40$

where E equals the allowable particulate matter emission rate in pounds per hour and P equals the total dry process input weight rate in tons per hour.

3.4.D.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases that exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.D.3 The Permittee shall not fire any fuel in the Rod Mill Shaft Furnace (F409) or Vertirod Process (F476) whose sulfur content exceeds 2.5 weight percent, unless otherwise specified by the Director.
[391-3-1-.02(2)(g)]

3.4.D.4 The Permittee shall operate the Vapor Recovery System (A467) during all periods of operation of the Rod Mill Quenching and Cooling System (Q467).
[391-3-1-.02(2)(tt)]

3.4.D.5 The Permittee shall route any uncondensed vapor from the Vapor Recovery System (A467) to the Rod Mill Shaft Furnace (F409) for combustion/destruction purposes. During such periods, the Rod Mill Shaft Furnace (F409) shall be operating at a temperature representative of normal source operation.
[391-3-1-.02(2)(tt)]

3.4.D.6 The Permittee shall take all reasonable precautions with the bucket elevator (BE1) to prevent fugitive emissions of air contaminants.
[391-3-1-.02(2)(n)1]

3.4.D.7 The percent opacity from the bucket elevator (BE1) shall not equal or exceed 20 percent.
[391-3-1-.02(2)(n)2]

3.5.D Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [CRM]

None Applicable.

3.2.E Equipment Emission Caps and Operating Limits [UPP]

3.2.E.1 The Parts Cleaner Oven with Afterburner (P745) may be used to burn polyethylene, polyvinyl chloride (PVC), nylon, or other non-halogenated plastic and rubber compounds off of equipment parts. The Parts Cleaner Oven may not be used to burn any other type of insulation and the oven burner shall not be operated to clean PVC-coated parts more than 14 hours per calendar week.
[Toxic Guideline – 391-3-1-.02(2)(a)1.]

3.2.E.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from the Parts Cleaner Oven with Afterburner (P745), hydrochloric acid (HCl) emissions in excess of 3.1 pound per hour.
[Toxic Guideline – 391-3-1-.02(2)(a)1]

3.2.E.3 Southwire Carrollton Utility Products Plant shall not discharge, or cause the discharge, into the atmosphere, volatile organic compounds (VOC) in excess of 39 tons during any twelve consecutive months from Drawing Machines P524, P525, and P526; CV Extrusion Lines P501, P504, P507, P510, P513, and P516; Plastic Extrusion Jacket Lines P519 and P521; Ink Application Systems P503, P506, P509, P512, P515, and P518; and Annealing Furnace P523, combined.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance]

3.2.E.4 Southwire Carrollton Utility Products Plant shall not discharge, or cause the discharge, into the atmosphere any single hazardous air pollutant which is listed in Section 112 of the Clean Air Act, in an amount equal to or exceeding 9 tons during any twelve consecutive months, or any combination of such listed pollutants in an amount equal to or exceeding 24 tons during any twelve consecutive months from CV Extrusion Lines P501, P504, P507, P510, P513, and P516, combined.
[391-3-1-.03(2)(c), 112(g) Avoidance]

3.2.E.5 The Tool Cleaning Unit (Source Code: P786) shall be used to clean residue from polyethylene-, cross-linked polyethylene-, polypropylene-, and other non-halogenated plastic- and rubber-coated parts only. The Tool Cleaning Unit shall not be used to clean residue from any of PVC-coated or nylon-coated parts.
[391-3-1-.03(2)(c)]

3.2.E.6 The Tool Cleaning Unit (Source Code: P786) shall not clean more than 4,160 pounds of residue from polyethylene-, cross-linked polyethylene-, polypropylene-, and other non-halogenated plastic- and rubber-coated parts on a twelve month rolling basis. For the purpose of this Permit, a twelve month rolling period is defined as the total for a month in the reporting period plus the totals for the previous eleven consecutive months.
[391-3-1-.03(2)(c)]

3.2.E.7 The Tool Cleaning Unit (Source Code: P527) shall be used to clean residue from polyethylene-, cross-linked polyethylene-, other non-halogenated plastic-, and rubber-coated parts only. The Tool Cleaning Unit shall not be used to clean residue from any of PVC-coated or nylon-coated parts.
[Toxic Guideline - 391-3-1-.02(2)(a)3.(ii) and 391-3-1-.03(2)(c)]

3.2.E.8 The Tool Cleaning Unit (Source Code: P527) shall not clean more than 4,160 pounds of residue from residue from polyethylene-, cross-linked polyethylene-, other non-halogenated plastic-, and rubber-coated parts on a twelve month rolling basis. For the purpose of this Permit, a twelve month rolling period is defined as the total for a month in the reporting period plus the totals for the previous eleven consecutive months
[Toxic Guideline - 391-3-1-.02(2)(a)3.(ii) and 391-3-1-.03(2)(c)]

3.3.E Equipment Federal Rule Standards [UPP]

3.3.E.1 The Permittee shall limit organic HAP emissions from Paint Booth P001 and associated items listed in 40 CFR 63.3882(b)(1) through (4) that are used for surface coating to no more than 1.9 pound (lb) organic HAP per gallon (gal) coating solids used during each 12-month compliance period. The Permittee shall be in compliance with this emission limit at all times.
[40 CFR 63.3882(b)(1) through 40 CFR 63.3882(b)(4), 40 CFR 63.3890(a)(1), 40 CFR 63.3890(c)(1), and 40 CFR 63.3900(a)(1)]

3.3.E.2 The Permittee shall include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in Paint Booth P001 and associated items listed in 40 CFR 63.3882(b)(1) through (4) when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in 40 CFR 63.3890. To make this determination, Permittee must use at least one of the following compliance options listed in paragraphs (a) and (b) of this permit condition. The Permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The Permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The Permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, Permittee may not use different compliance options at the same time on the same coating operation. If the Permittee switches between compliance options for any coating operation or group of coating operations, the Permittee must document this switch as required by 40 CFR 63.3930(c), and shall report it in the next semiannual compliance report required in 40 CFR 63.3920.
[40 CFR 63.3891, 40 CFR 63.3891(a) and (b), 40 CFR 63.3940, 40 CFR 63.3941, 40 CFR 63.3942, 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952]

a. *Compliant material option.* The Permittee shall demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The Permittee shall meet all the requirements of 40 CFR 63.3940, 40 CFR 63.3941, and 40 CFR 63.3942 to demonstrate compliance with the applicable emission limit using this option.

b. *Emission rate without add-on controls option.* The Permittee shall demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. The Permittee shall meet all the requirements of 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952 to demonstrate compliance with the emission limit using this option.

3.3.E.3 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart MMMM – "National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products", and Federal Rule 40 CFR 63 Subpart A – "General Requirements" as specified in Table 2 of 40 CFR 63, Subpart MMMM for the operation of Paint Booth P001 and associated items listed in 40 CFR 63.3882(b)(1) through (4).
[40 CFR 63, Subpart MMMM and Table 2 of 40 CFR 63, Subpart MMMM]

3.3.E.4 Predominant Activity Emission Limit – All surface coating operations shall comply with the emission limit, as reflected in Permit Condition 3.3.E.1, for the predominant activity. The predominant activity is the subcategory of coating operations, which represents 90 percent or more of the coating activity at the facility. This emission limit is only available where the predominant activity is the general use subcategory of 40 CFR 63, Subpart MMMM. The determination of predominant activity shall be made based on the relative volume of coating solids used and shall be calculated using coating consumption and volume solids content. Surface coating operations that are one percent or less of the total coating activities at the facility are not included in the applicability determination, but are included in compliance calculations. The predominant activity calculation results shall be recalculated each year and submitted along with the next semiannual compliance report required by Permit Condition 6.2.E.23.
[40 CFR 63.3890(c)(1)]

3.3.E.5 Facility-Specific Emission Limit – The Permittee may calculate and comply with a facility-specific emission limit for all surface coating operations at the facility, including surface coating subject to another 40 CFR 63 standard. Calculation of the facility-specific emission limit shall use the equation in this condition; and shall include all surface coating operations, except for surface coating operations that comprise one percent or less of the total coating activities at the facility.
[40 CFR 63.3890(c)(2)]

$$Facility - Specific\ \ Emission\ Limit = \frac{\sum_{i=1}^{n}(Limit_i)(Solids_i)}{\sum_{i=1}^{n}(Solids_i)}$$ Equation 1 of 40 CFR 63.3890

Where:

Facility-Specific Emission Limit = Facility-specific emission limit for each 12-month compliance period, lb organic HAP per lb coating solids used

$Limit_i$ = Emission limit applicable to coating operation i in units of lb organic HAP per lb coating solids used.

$Solids_i$ = The gal of coating solids used in coating operation i during the 12-month compliance period. This value must be calculated using the coating consumption and volume solids content.

n = The number of different coating operations included in the facility-specific emission limit.

Compliance with a facility-specific emission limit, as defined in 40 CFR 63, Subpart MMMM and with the emission limits for 40 CFR 63, Subpart MMMM constitutes compliance with 40 CFR 63, Subpart MMMM and any other surface coating NESHAP that is applicable to the facility. Determination of the rolling 12-month facility-specific emission limit and compliance calculations shall be performed as described in 40 CFR 63.3890(c)(2). For each rolling 12-month compliance period the emissions of organic HAP shall not exceed the rolling 12-month facility-specific emission limit. The monthly facility-specific emission limit shall be included in the semiannual compliance report required by Condition 6.2.E.23. Compliance with the facility-specific emission limit must include all coating operations. Emission limits from other 40 CFR 63 standards that are based on lb organic HAP per lb coating solids must be converted to lb organic HAP per gal coating solids using the default solids density of 10.5 lb solids per gal coating solids.

3.4.E Equipment SIP Rule Standards [UPP]

3.4.E.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, gases which contain PM in excess of the rate derived from the equation noted below:
[391-3-1-.02(2)(e)1.]

a. For process input weight rate up to and including 30 tons/hr:
$E = 4.1P^{0.67}$; or

b. For process input weight rate above 30 tons/hr:
$E = 55P^{0.11} - 40$

where E equals the allowable PM emission rate in pounds per hour and P equals the total dry process weight input rate in ton per hour.

3.4.E.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the equipment specified below, gases which contain PM in excess of the rate of 0.5 pounds per million Btu per hour from Flame Burners (emission unit ID Nos. 723 through 734).
[391-3-1-.02(2)(d)2.]

3.4.E.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, visible emissions the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.E.4 The Permittee shall not discharge, or cause the discharge, into the atmosphere from Flame Burners (emission unit ID Nos. P723 through P734) visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)3.]

3.4.E.5 The Permittee shall not burn any fuel in Parts Cleaning Oven with Afterburner (emission unit ID No. P745); Flame Burners P723 through P734; or Annealing Furnaces P721 or P523; whose sulfur content exceeds 2.5 percent, by weight.
[391-3-1-.02(2)(g)2.]

3.4.E.6 The Permittee shall not discharge, or cause the discharge, into the atmosphere, volatile organic compound emissions, from paint booth (Source Code P001) in excess of 3.5 pounds per gallon of coating, excluding water, delivered to the coating applicator. If any coating delivered to the coating applicator contains more than 3.5 pounds of VOC per gallon, excluding water, then the solids equivalent limit shall be 6.67 pounds VOC per gallon of coating solids delivered to the coating applicator.
[391-3-1-.02(2)(tt)]

3.4.E.7 The Permittee shall comply with the emission limitation specified in Condition 3.4.E.6 by one of the following:
[391-3-1-.02(2)(tt)]

a. The application of low solvent coating technology where each and every coating meets the limit of 3.5 pounds of VOC per gallon of coating, excluding water; or

b. The application of low solvent coating technology where the 24-hour weighted average of all coatings used in paint booth (Source Code: P001) meets the solids equivalent limit of 6.67 pounds of VOC per gallon of coating solids delivered to the coating applicator.

Averaging across lines is not allowed.

3.5.E Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [UPP]

3.5.E.1 The Permittee shall check bin vent filters C280, C281, C760, and C761 at least once every quarter and clean or replace them at least once semiannually.
[391-3-1-.02(2)(a)10.]

3.5.E.2 The Permittee shall operate the oil mist collectors (Air Pollution Control ID Nos. C524 and C525) at all times that the drawing machines (emission unit ID Nos. P524 and P525) are in operation.
[391-3-1-.03(2)(c).]

3.5.E.3 The Permittee shall not operate more than three of the four extruders on each CV Extrusion Lines (emission unit ID Nos. P501, P504, P507, P510, P513, or P516) at one time.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance]

3.5.E.4 The Permittee shall be allowed to use the DPI formulation on CV Extrusion Lines Nos. P501 and P504 only.
[391-3-1-.03(2)(c).]

3.2.F Equipment Emission Caps and Operating Limits [MSG]

Not Applicable.

3.3.F Equipment Federal Rule Standards [MSG]

3.3.F.1 The Permittee shall limit organic HAP emissions from Paint Booth P316 and associated items listed in 40 CFR 63.3882(b)(1) through (4) that are used for surface coating to no more than 2.6 pound (lb) organic HAP per gallon (gal) coating solids used during each 12-month compliance period. The Permittee shall be in compliance with this emission limit at all times.
[40 CFR 63.3882(b)(1) through 40 CFR 63.3882(b)(4), 40 CFR 63.3890(b)(1), 40 CFR 63.3890(c)(1), and 40 CFR 63.3900(a)(1)]

3.3.F.2 The Permittee shall include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in the Paint Booth P316 and associated items listed in 40 CFR 63.3882(b)(1) through (4) when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in 40 CFR 63.3890. To make this determination, Permittee must use at least one of the following compliance options listed in paragraphs (a) and (b) of this permit condition. The Permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The Permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The Permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, Permittee may not use different compliance options at the same time on the same coating operation. If the Permittee switches between compliance options for any coating operation or group of coating operations, the Permittee must document this switch as required by 40 CFR 63.3930(c), and shall report it in the next semiannual compliance report required in 40 CFR 63.3920.
[40 CFR 63.3891, 40 CFR 63.3891(a) and (b), 40 CFR 63.3940, 40 CFR 63.3941, 40 CFR 63.3942, 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952]

a. *Compliant material option.* The Permittee shall demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The Permittee shall meet all the requirements of 40 CFR 63.3940, 40 CFR 63.3941, and 40 CFR 63.3942 to demonstrate compliance with the applicable emission limit using this option.

b. *Emission rate without add-on controls option.* The Permittee shall demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. The Permittee shall meet all the requirements of 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952 to demonstrate compliance with the emission limit using this option.

3.3.F.3 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart MMMM – "National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products", and Federal Rule 40 CFR 63 Subpart A – "General Requirements" as specified in Table 2 of 40 CFR 63, Subpart MMMM for the operation of Paint Booth P316 and associated items listed in 40 CFR 63.3882(b)(1) through (4).
[40 CFR 63, Subpart MMMM and Table 2 of 40 CFR 63, Subpart MMMM]

3.3.F.4 Predominant Activity Emission Limit – All surface coating operations shall comply with the emission limit, as reflected in Permit Condition 3.3.F.1, for the predominant activity. The predominant activity is the subcategory of coating operations, which represents 90 percent or more of the coating activity at the facility. This emission limit is only available where the predominant activity is the general use subcategory of 40 CFR 63, Subpart MMMM. The determination of predominant activity shall be made based on the relative volume of coating solids used and shall be calculated using coating consumption and volume solids content. Surface coating operations that are one percent or less of the total coating activities at the facility are not included in the applicability determination, but are included in compliance calculations. The predominant activity calculation results shall be recalculated each year and submitted along with the next semiannual compliance report required by Permit Condition 6.2.F.4.
[40 CFR 63.3890(c)(1)]

3.3.F.5 Facility-Specific Emission Limit – The Permittee may calculate and comply with a facility-specific emission limit for all surface coating operations at the facility, including surface coating subject to another 40 CFR 63 standard. Calculation of the facility-specific emission limit shall use the equation in this condition; and shall include all surface coating operations, except for surface coating operations that comprise one percent or less of the total coating activities at the facility.
[40 CFR 63.3890(c)(2)]

$$Facility-Specific\ Emission\ Limit = \frac{\sum_{i=1}^{n}(Limit_i)(Solids_i)}{\sum_{i=1}^{n}(Solids_i)}$$ Equation 1 of 40 CFR 63.3890

Where:

Facility-Specific Emission Limit = Facility-specific emission limit for each 12-month compliance period, lb organic HAP per lb coating solids used

$Limit_i$ = Emission limit applicable to coating operation i in units of lb organic HAP per lb coating solids used.

$Solids_i$ = The gal of coating solids used in coating operation i during the 12-month compliance period. This value must be calculated using the coating consumption and volume solids content.

n = The number of different coating operations included in the facility-specific emission limit.

Compliance with a facility-specific emission limit, as defined in 40 CFR 63, Subpart MMMM and with the emission limits for 40 CFR 63, Subpart MMMM constitutes compliance with 40 CFR 63, Subpart MMMM and any other surface coating NESHAP that is applicable to the facility. Determination of the rolling 12-month facility-specific emission limit and compliance calculations shall be performed as described in 40 CFR 63.3890(c)(2). For each rolling 12-month compliance period the emissions of organic HAP shall not exceed the rolling 12-month facility-specific emission limit. The monthly facility-specific emission limit shall be included in the semiannual compliance report required by Condition 6.2.F.4. Compliance with the facility-specific emission limit must include all coating operations. Emission limits from other 40 CFR 63 standards that are based on lb organic HAP per lb coating solids must be converted to lb organic HAP per gal coating solids using the default solids density of 10.5 lb solids per gal coating solids.

3.4.F Equipment SIP Rule Standards [MSG]

3.4.F.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases which contain PM in excess of the rate derived from the equation noted below:
[391-3-1-.02(2)(e)1.]

a. For process input weight rate up to and including 30 tons/hr:

$E = 4.1P^{0.67}$; or

b. For process input weight rate above 30 tons/hr:

$E = 55P^{0.11} - 40$

Where,

E = the allowable PM emission rate in pounds per hour; and

P = the total dry process weight input rate in tons per hour.

3.4.F.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases that exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.F.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, volatile organic compound emissions, from the paint booth (Emission Unit P316) in excess of 3.5 pounds per gallon of coating, excluding water, delivered to the coating applicator (this limit is referred to as the "low solvent coating technology limit"). If any coating delivered to the coating applicator contains more than 3.5 pounds of VOC per gallon, excluding water, then the solids equivalent limit shall be 6.67 pounds VOC per gallon of coating solids delivered to the coating applicator.
[391-3-1-.02(2)(tt)]

3.4.F.4 The Permittee shall comply with the emission limitation specified in Condition 3.4.F.3 by one of the following:
[391-3-1-.02(2)(tt)]

a. The application of low solvent coating technology where each and every coating meets the limit of 3.5 pounds of VOC per gallon of coating, excluding water; or

b. The application of low solvent coating technology where the 24-hour weighted average of all coatings used in the paint booth (emission unit ID No. P316) meets the solids equivalent limit of 6.67 pounds of VOC per gallon of coating solids delivered to the coating applicator.

3.5.F Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [MSG]

None Applicable.

3.2.G Equipment Emission Caps and Operating Limits [CTC]

3.2.G.1 **Cofer Operating Scenario 1:**
The Permittee shall conduct no more than three (3) complete tests in chamber P910, chamber P912, or chamber P913 in any one twenty-four hour period. For the purpose of this condition, one twenty-four hour period shall be defined as the period between 12:00 midnight and the following midnight.
[391-3-1-.02(2)(a)1 - Georgia Air Toxics Guideline]

3.2.G.2 **Cofer Operating Scenario 1:**
The Permittee shall conduct no more than 450 complete tests in chamber P910, chamber P912, and chamber P913 combined in any twelve consecutive month period.
[391-3-1-.02(2)(a)1 - HAP Synthetic Minor Limit]

3.2.G.3 **Cofer Operating Scenario 1:**
The Permittee shall operate C910 when a test is being conducted in chamber P910, chamber P912, or chamber P913.
[391-3-1-.02(2)(a)1- Georgia Air Toxics Guideline]

3.2.G.4 **Cofer Operating Scenario 1 and Cofer Operating Scenario 2:**
The Permittee shall not discharge, or cause the discharge, into the atmosphere, from chamber P910, any gases that exhibit visible emissions, the opacity of which is equal to or greater than twenty (20) percent.
[391-3-1-.02(2)(a)1; 391-3-1-.02(2)(b) (Subsumed)]

3.2.G.5 The Permittee shall conduct no more than three (3) complete tests in chamber P951 in any one twenty-four hour period. For the purpose of this condition, one twenty-four hour period shall be defined as the period between 12:00 midnight and the following midnight.
[391-3-1-.02(2)(a)1 – Georgia Air Toxics Guideline]

3.2.G.6 The Permittee shall conduct no more than 1,095 complete tests in chamber P951 in any twelve consecutive month period. For the purpose of this Permit Condition, a twelve consecutive month period is defined as the total for a month in the reporting period plus the totals for the previous eleven consecutive months.
[391-3-1-.03(2)(c)]

3.2.G.7 The Permittee shall operate C951 when a test is being conducted in chamber P951. The scrubber shall be installed, operated, and maintained per the manufacturer's specifications. Where such performance specification(s) exist, the system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[40 CFR 70.6(a)(3)(i), 391-3-1-.02(2)(a)1 – Georgia Air Toxics Guideline, and 391-3-1-.02(6)(b)1]

3.2.G.8 **Cofer Operating Scenario 1:**
The Permittee shall not operate Chamber P910, Chamber P912, or Chamber P913 simultaneously.
[391-3-1-.02(2)(a)1- Georgia Air Toxics Guideline]

3.2.G.9 **Cofer Operating Scenario 2:**
The Permittee shall conduct no more than five (5) complete tests in Chamber P910, no more than five (5) complete tests in Chamber P912, and no more than five (5) complete tests in Chamber P913 in any one twenty-four hour period. For the purpose of this condition, one twenty-four hour period shall be defined as the period between 12:00 midnight and the following midnight.
[391-3-1-.02(2)(a)1 - Georgia Air Toxics Guideline]

3.2.G.10 **Cofer Operating Scenario 2:**
The Permittee shall conduct no more than 1,150 complete tests in Chamber P910, no more than 1,150 complete tests in Chamber P912, and no more than 1,150 complete tests in Chamber P913 in any twelve consecutive month period. This Condition shall become effective upon startup of scrubber C912.
[391-3-1-.02(2)(a)1 - Georgia Air Toxics Guideline]

3.2.G.11 **Cofer Operating Scenario 2:**
The Permittee shall operate C912 when a test is being conducted in Chamber P910, P912, or P913.
[391-3-1-.02(2)(a)1- Georgia Air Toxics Guideline]

3.2.G.12 Once Cofer Operating Scenario 2 is implemented, Cofer Operating Scenario 1 and Permit Conditions 3.2.G.1, 3.2.G.2, 3.2.G.3, and 3.2.G.8 become invalid.
[391-3-1-.02(2)(a)1 - Georgia Air Toxics Guideline]

3.3.GEquipment Federal Rule Standards [CTC]

3.3.G.1 The Permittee shall comply with all applicable provisions of the National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart DDDDD - " Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters" for operation of the boiler (Source Code: P911).
[40 CFR 63 Subpart DDDDD]

3.3.G.2 During periods of startup and shutdown for Boiler P911, the Permittee must comply only with the requirements of Table 3 of 40 CFR 63, Subpart DDDDD.
[40 CFR 63.7500 (f)]

3.3.G.3 The Permittee shall comply with the periodic tune-up requirement as a work practice standard per Subpart DDDDD Table 3 for Boiler P911. The tune-up must be conducted every 5 years, with the first tune-up due within 61 months of the initial startup of the unit, and each subsequent tune-up is due within 61 months of the previous tune-up.
[40 CFR 63.7510 (g), 63.7515 (d), Subpart DDDDD Table 3, Item 1]

3.4.GEquipment SIP Rule Standards [CTC]

3.4.G.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, any gases which contain PM in excess of the rate derived from the following:
[391-3-1-.02(2)(e)]

a. For process input weight rate up to and including 30 tons/hr:
$E = 4.1P^{0.67}$; or

b. For process input weight rate above 30 tons/hr:
$E = 55P^{0.11} - 40$

where E = the allowable PM emission rate in pounds per hour;
P = the total dry process weight input rate in ton per hour.

3.4.G.2 The Permittee shall not fire any fuel in the chamber P910 burner or boiler P911 that contains more than 2.5 weight percent sulfur.
[391-3-1-.02(2)(g)]

3.4.G.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere from boiler P911 visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)3.]

3.4.G.4 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the Boiler P911, gases which contain PM in excess of the rate of 0.5 pounds per million Btu heat input.
[391-3-1-.02(2)(d)2.]

3.4.G.5 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from any of the fire test chambers or CTC Extruder, any gases which exhibit visible emissions, the opacity of which is equal to or greater than 40 percent, unless otherwise specified.
[391-3-1-.02(2)(b)1.]

3.5.G Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [CTC]

None Applicable.

3.2.H Equipment Emission Caps and Operating Limits [CEM]

3.2.H.1 The Permittee shall limit the total annual hours of operation of each engine, Source Codes P807 and P813, to less than 200 hours during any twelve consecutive months.
[Avoidance of 391-3-1-.02(2)(mmm)]

3.2.H.2 The Permittee shall only operate engines with Source Codes P807 and P813 when electric power is not available from the local utility or for routine testing and maintenance.
[Avoidance of 391-3-1-.02(2)(mmm)]

3.2.H.3 The Permittee shall limit the total annual hours of operation of each engine, Source Codes P804, P805, and P806, to no more than 3,261 hours during any twelve consecutive months.
[Avoidance of PSD – 40 CFR 52.21]

3.3.H Equipment Federal Rule Standards [CEM]

3.3.H.1 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart ZZZZ – "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)", and Federal Rule 40 CFR 63 Subpart A – "General Requirements" as specified in Table 8 of 40 CFR 63, Subpart ZZZZ for the operation of Equipment P804, P805, and P806.
[40 CFR 63, Subpart ZZZZ and Table 8 of 40 CFR 63, Subpart ZZZZ]

3.3.H.2 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart ZZZZ – "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)", for the operation of Equipment P807. Owners or operators of emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions constructed or reconstructed after December 19, 2002 are not subject the requirements of 40 CFR 63 Subpart ZZZZ and 40 CFR 63 Subpart A, except for the initial notification requirements of 40 CFR 63.6645(f).
[40 CFR 63.6590(b)(1)]

3.3.H.3 The Permittee shall reduce formaldehyde emissions from each of the Waukesha Engines (Source IDs: P804, P805, and P806) by 76 percent or more.
[40 CFR 63.6600(a) and Table 1a of 40 CFR 63, Subpart ZZZZ]

3.3.H.4 The Permittee must maintain the catalyst of each Non-Selective Catalytic Reduction (NSCR) System (Air Pollution Control Device IDs: C804, C805, and C806) so that the pressure drop across the catalyst does not change by more than two inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst measured during the most recent performance test; and maintain the temperature of the stationary exhaust from each of the Waukesha Engines (Source IDs: P804, P805, and P806) so that the 4-hour average catalyst inlet temperature is greater than or equal to 750 degrees Fahrenheit (°F) and less than or equal to 1250 °F.
[40 CFR 63.6600(a) and Table 1b of 40 CFR 63, Subpart ZZZZ]

3.3.H.5 The Permittee shall be in compliance with the emission limitations and operating limitations in Permit Conditions 3.3.H.3 and 3.3.H.4 at all times, except during periods of startup, shutdown, and malfunction.
[40 CFR 63.6605(a)]

3.3.H.6 The Permittee shall operate and maintain each of the Waukesha Engines (Source IDs: P804, P805, and P806), including air pollution control and monitoring equipment, in a manner consistent with good air pollution control practices for minimizing emissions at all times, including during startup, shutdown, and malfunction.
[40 CFR 63.6605(b)]

3.3.H.7 The Permittee shall comply with all applicable requirements of 40 CFR 60 Subpart JJJJ – "Standards of Performance for New Stationary Sources for Stationary Spark Ignition Internal Combustion Engines", and Federal Rule 40 CFR 60 Subpart A – "General Requirements" as specified in Table 3 of 40 CFR 60, Subpart JJJJ for the operation of Equipment P804, P805, and P806.
[40 CFR 60, Subpart JJJJ and Table 3 of 40 CFR 60, Subpart JJJJ]

3.3.H.8 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from Waukeshas Engine P804, P805, and P806, any emissions which is equal to or greater than as specified below. The Permittee shall operate and maintain Waukesha Engines P804, P805, and P806 so that each achieves the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.
[40 CFR 60.4233(e), 40 CFR 60.4233(f)(4), Table 1 of 40 CFR 60, Subpart JJJJ, and 40 CFR 60.4234]

a. 2.0 g/HP-hr NO_X emissions, 4.0 g/HP-hr CO emissions, and 1.0 g/HP-hr VOC emissions; or

b. 160 ppmdv NO_X emissions at 15% O_2 on a dry basis, 540 ppmdv CO emissions at 15% O_2 on a dry basis, and 86 ppmdv VOC emissions (as propane) at 15% O_2 on a dry basis.

3.3.H.9 The Permittee shall comply with all applicable requirements of 40 CFR 60 Subpart IIII – "Standards of Performance for New Stationary Sources for Stationary Compression Ignition Internal Combustion Engines", and Federal Rule 40 CFR 60 Subpart A – "General Requirements" for the operation of Equipment P807.
[40 CFR 60, Subpart IIII]

3.3.H.10 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart ZZZZ – "National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)", for the operation of Equipment P813. Owners or operators of emergency stationary RICE with a site rating of more than 500 brake HP located at a major source of HAP emissions constructed or reconstructed on or before December 19, 2002 are not subject the requirements of 40 CFR 63 Subpart ZZZZ and 40 CFR 63 Subpart A.
[40 CFR 63.6590(b)(3)]

3.3.H.11 The Permittee shall meet the requirements specified below for the operation of Equipment P808 (compression ignition).
[40 CFR 63.6602 and Table 2c of 40 CFR 63, Subpart ZZZZ]

a. Change oil and filter every 500 hours of operation or annually, whichever comes first;

b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first;

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary

d. Minimize the engine's time spent at idle during periods of startup and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

3.3.H.12 The Permittee shall meet the requirements specified below for the operation of Equipment P809, P810, P811, P817, and P818 (spark ignition).
[40 CFR 63.6602 and Table 2c of 40 CFR 63, Subpart ZZZZ]

a. Change oil and filter every 500 hours of operation or annually, whichever comes first.

b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first.

c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

d. Minimize the engine's time spent at idle during periods of startup and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

3.3.H.13 The Permittee shall limit the total annual hours of maintenance checks and readiness testing of each engine, Source Code P807, to no more than 100 hours during any twelve consecutive months.
[40 CFR 63, Subpart ZZZZ]

3.3.H.14 The Permittee shall limit the total annual hours of maintenance checks and readiness testing of each engine, Source Codes P808, P809, P810, P811, P817, and P818, to no more than 100 hours during any twelve consecutive months. Up to 50 of these hours may be used in other non-emergency situations.
[40 CFR 63, Subpart ZZZZ]

3.3.H.15 The Permittee must operate and maintain the engine P807 according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer.
[40 CFR 60.4211(a)]

3.4.HEquipment SIP Rule Standards [CEM]

3.4.H.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from each engine, P804, P805, P806, P807, P808, P809, P810, P811, P813, P817, and P818 any gases that exhibit visible emissions, the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.H.2 The Permittee shall not fire any fuel in engines P804, P805, and P806 that contains more than 2.5 weight percent sulfur.
[391-3-1-.02(2)(g)]

3.4.H.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, from each engine with Source Code P804, P805, and P806, any gases, which contain nitrogen oxides (NOx) in excess of 80 parts per million (ppm) at 15% oxygen, dry basis May 1 through September 30 of each calendar year.
[391-3-1-.02(2)(mmm)]

3.4.H.4 The Permittee shall not fire any fuel in engine P807 that contains more than 0.0015 weight percent sulfur.
[40 CFR 60 Subpart IIII]

3.5.HEquipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [CEM]

3.5.H.1 The Permittee shall install and operate a Non-Selective Catalytic Reduction System (Air Control Device ID: C804) for Equipment P804, Non-Selective Catalytic Reduction System (Air Control Device ID: C805) for Equipment P805, and Non-Selective Catalytic Reduction System (Air Control Device ID: C806) for Equipment P806.
[391-3-1-.03(2)(c)]

3.2.I Equipment Emission Caps and Operating Limits [TAP]

None Applicable.

3.3.I Equipment Federal Rule Standards [TAP]

3.3.I.1 The Permittee shall limit organic HAP emissions from Blade Coating P970 and associated items listed in 40 CFR 63.3882(b)(1) through (4) that are used for surface coating to no more than 1.9 pound (lb) organic HAP per gallon (gal) coating solids used during each 12-month compliance period. The Permittee shall be in compliance with this emission limit at all times.
[40 CFR 63.3882(b)(1) through 40 CFR 63.3882(b)(4), 40 CFR 63.3890(a)(1), 40 CFR 63.3890(c)(1), and 40 CFR 63.3900(a)(1)]

3.3.I.2 The Permittee shall include all coatings (as defined in 40 CFR 63.3981), thinners and/or other additives, and cleaning materials used in Blade Coating P970 and associated items listed in 40 CFR 63.3882(b)(1) through (4) when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in 40 CFR 63.3890. To make this determination, Permittee must use at least one of the following compliance options listed in paragraphs (a) and (b) of this permit condition. The Permittee may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. The Permittee may use different compliance options for different coating operations, or at different times on the same coating operation. The Permittee may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, Permittee may not use different compliance options at the same time on the same coating operation. If the Permittee switches between compliance options for any coating operation or group of coating operations, the Permittee must document this switch as required by 40 CFR 63.3930(c), and shall report it in the next semiannual compliance report required in 40 CFR 63.3920.
[40 CFR 63.3891, 40 CFR 63.3891(a) and (b), 40 CFR 63.3940, 40 CFR 63.3941, 40 CFR 63.3942, 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952]

a. *Compliant material option.* The Permittee shall demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. The Permittee shall meet all the requirements of 40 CFR 63.3940, 40 CFR 63.3941, and 40 CFR 63.3942 to demonstrate compliance with the applicable emission limit using this option.

b. *Emission rate without add-on controls option.* The Permittee shall demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in 40 CFR 63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. The Permittee shall meet all the requirements of 40 CFR 63.3950, 40 CFR 63.3951, and 40 CFR 63.3952 to demonstrate compliance with the emission limit using this option.

3.3.I.3 The Permittee shall comply with all applicable requirements of 40 CFR 63 Subpart MMMM – "National Emissions Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products", and Federal Rule 40 CFR 63 Subpart A – "General Requirements" as specified in Table 2 of 40 CFR 63, Subpart MMMM for the operation of Blade Coating P970 and associated items listed in 40 CFR 63.3882(b)(1) through (4).
[40 CFR 63, Subpart MMMM and Table 2 of 40 CFR 63, Subpart MMMM]

3.3.I.4 Predominant Activity Emission Limit – All surface coating operations shall comply with the emission limit, as reflected in Permit Condition 3.3.I.1, for the predominant activity. The predominant activity is the subcategory of coating operations, which represents 90 percent or more of the coating activity at the facility. This emission limit is only available where the predominant activity is the general use subcategory of 40 CFR 63, Subpart MMMM. The determination of predominant activity shall be made based on the relative volume of coating solids used and shall be calculated using coating consumption and volume solids content. Surface coating operations that are one percent or less of the total coating activities at the facility are not included in the applicability determination, but are included in compliance calculations. The predominant activity calculation results shall be recalculated each year and submitted along with the next semiannual compliance report required by Permit Condition 6.2.I.3.
[40 CFR 63.3890(c)(1)]

3.3.I.5 Facility-Specific Emission Limit – The Permittee may calculate and comply with a facility-specific emission limit for all surface coating operations at the facility, including surface coating subject to another 40 CFR 63 standard. Calculation of the facility-specific emission limit shall use the equation in this condition; and shall include all surface coating operations, except for surface coating operations that comprise one percent or less of the total coating activities at the facility.
[40 CFR 63.3890(c)(2)]

$$Facility-Specific\ Emission\ Limit = \frac{\sum_{i=1}^{n}(Limit_i)(Solids_i)}{\sum_{i=1}^{n}(Solids_i)}$$ Equation 1 of 40 CFR 63.3890

Where:

Facility-Specific Emission Limit = Facility-specific emission limit for each 12-month compliance period, lb organic HAP per lb coating solids used

$Limit_i$ = Emission limit applicable to coating operation i in units of lb organic HAP per lb coating solids used.

$Solids_i$ = The gal of coating solids used in coating operation i during the 12-month compliance period. This value must be calculated using the coating consumption and volume solids content.

n = The number of different coating operations included in the facility-specific emission limit.

Compliance with a facility-specific emission limit, as defined in 40 CFR 63, Subpart MMMM and with the emission limits for 40 CFR 63, Subpart MMMM constitutes compliance with 40 CFR 63, Subpart MMMM and any other surface coating NESHAP that is applicable to the facility. Determination of the rolling 12-month facility-specific emission limit and compliance calculations shall be performed as described in 40 CFR 63.3890(c)(2). For each rolling 12-month compliance period, the emissions of organic HAP shall not exceed the rolling 12-month facility-specific emission limit. The monthly facility-specific emission limit shall be included in the semiannual compliance report required by Condition 6.2.I.3. Compliance with the facility-specific emission limit must include all coating operations. Emission limits from other 40 CFR 63 standards that are based on lb organic HAP per lb coating solids must be converted to lb organic HAP per gal coating solids using the default solids density of 10.5 lb solids per gal coating solids.

3.4.I Equipment SIP Rule Standards [TAP]

3.4.I.1 The Permittee shall not discharge, or cause the discharge, into the atmosphere, gases which contain PM in excess of the rate derived from the equation noted below:
[391-3-1-.02(2)(e)1.]

a. For process input weight rate up to and including 30 tons/hr:

$E = 4.1P^{0.67}$; or

b. For process input weight rate above 30 tons/hr:

$E = 55P^{0.11} - 40$

where E equals the allowable PM emission rate in pounds per hour and P equals the total dry process weight input rate in ton per hour.

3.4.I.2 The Permittee shall not discharge, or cause the discharge, into the atmosphere, visible emissions the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)]

3.4.I.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere, volatile organic compound emissions, from blade coating (Source Code P970) in excess of 3.5 pounds per gallon of coating, excluding water, delivered to the coating applicator. If any coating delivered to the coating applicator contains more than 3.5 pounds of VOC per gallon, excluding water, then the solids equivalent limit shall be 6.67 pounds VOC per gallon of coating solids delivered to the coating applicator.
[391-3-1-.02(2)(tt)]

3.4.I.4 The Permittee shall comply with the emission limitation specified in Condition 3.4.I.3 by one of the following:
[391-3-1-.02(2)(tt)]

a. The application of low solvent coating technology where each and every coating meets the limit of 3.5 pounds of VOC per gallon of coating, excluding water; or

b. The application of low solvent coating technology where the 24-hour weighted average of all coatings used in blade coating (Source Code: P970) meets the solids equivalent limit of 6.67 pounds of VOC per gallon of coating solids delivered to the coating applicator.

Averaging across lines is not allowed.

3.5.I Equipment Standards Not Covered by a Federal or SIP Rule and Not Instituted as an Emission Cap or Operating Limit [TAP]

None Applicable

PART 4.0 REQUIREMENTS FOR TESTING

4.1 General Testing Requirements

4.1.1 The Permittee shall cause to be conducted a performance test at any specified emission unit when so directed by the Environmental Protection Division ("Division"). The test results shall be submitted to the Division within 60 days of the completion of the testing. Any tests shall be performed and conducted using methods and procedures that have been previously specified or approved by the Division.
[391-3-1-.02(6)(b)1(i)]

4.1.2 The Permittee shall provide the Division thirty (30) days (or sixty (60) days for tests required by 40 CFR Part 63) prior written notice of the date of any performance test(s) to afford the Division the opportunity to witness and/or audit the test, and shall provide with the notification a test plan in accordance with Division guidelines.
[391-3-1-.02(3)(a) and 40 CFR 63.7(b)(1)]

4.1.3 Performance and compliance tests shall be conducted and data reduced in accordance with applicable procedures and methods specified in the Division's Procedures for Testing and Monitoring Sources of Air Pollutants. The methods for the determination of compliance with emission limits listed under Sections 3.2, 3.3, 3.4 and 3.5 are as follows:

a. Method 1 or 1A shall be used for the determination of sample point locations,

b. Method 2 shall be used for the determination of flow rate,

c. Method 3, 3A, 3B shall be used for the determination of stack gas molecular weight. Method 3B shall be used for the determination of emission rate correction factor or excess air. Method 3A may be used as an alternative to Method 3B.

d. Method 4 shall be used for the determination of stack gas moisture,

e. Method 5 shall be used for the determination of Particulate Matter emissions,

f. Method 9 and the procedures contained in Section 1.3 of the above reference document shall be used for the determination of opacity,

g. Method 10 shall be used for the determination of CO emissions,

h. Method 25 shall be used for the determination of non-methane organic emissions as carbon.

i. ASTM D4057 shall be used for fuel oil sampling.

j. ASTM D129, D396, D1552, D2622 or D4294 shall be used for the determination of fuel sulfur content.

k. Method 25 shall be used for the determination of VOC emissions. As an alternative, Methods 25A and 18, Method 25A with the use of a methane cutter as described in 40 CFR 1065.265, or Method 320 may be used for the determination of VOC emissions.

l. Method 18 shall be used for the determination of HAP emissions from sources listed in Permit Condition 3.2.E.4.

m. Method 24, or data provided by the formula of the coating, will be used to determine the VOC content of each coating as applied to the surface of the metal coil for P358 only.

n. Method 24 shall be used for the determination of volatile organic matter content, water content, density, volume solids, and weight solids in surface coatings.

o. Results of Method 24 analysis will be adjusted as described in Section 12.6 of Method 24 when VOC content of waterborne coatings, determined by Method 24, is used to determine compliance of P358 only. For Method 24, the coating sample must be at least a 1-liter sample taken at a point where the sample is representative of the coating as applied to the surface of the metal coil for P358.
[40 CFR 60.466(a)(1)]

p. Method 311 will be used to determine organic HAP content for P358 only. Method 311 for the determination of the mass fraction of organic HAP for each coating, thinner and/or other additive and cleaning material for P001 and P316.
[40 CFR 63.3941(a)]

q. Method 24 can be used to determine the total volatile matter content as a weight fraction of nonaqueous volatile matter and used as a substitute for determining organic HAP for P358 only.

r. ASTM D2697 (Reapproved 1998) or ASTM D6093 (incorporated by reference, see CFR 63.14), or an EPA approved alternative method shall be used to determine solids content of each coating material applied.

s. Method 7E shall be used for the determination of nitrogen oxides concentration when determining compliance with the limits in Condition Nos. 3.3.H.8 and 3.4.H.3. The sampling time for each run shall be at least 60 minutes.

t. The procedures contained in Section 2.120.2(b)(1) of the above referenced document for the selection of sample points when determining compliance with the limits in Condition Nos. 3.3.H.8 and 3.4.H.3.

u. Method 1 or 1A shall be used for the determination of sample point locations for Equipment P804, P805, and P806 only as specified in Table 4 of 40 CFR 63, Subpart ZZZZ.

v. Method 3, 3A, or 3B shall be used for the determination of stack gas molecular weight for Equipment P804, P805, and P806 only as specified in Table 4 of 40 CFR 63, Subpart ZZZZ.

w. Method 4, or Method 320, or ASTM D6348 shall be used for the determination of stack gas moisture for Equipment P804, P805, and P806 only as specified in Table 4 of 40 CFR 63, Subpart ZZZZ.

x. Method 320, or Method 323 of 40 CFR 63 shall be used for the determination of formaldehyde concentration for Equipment P804, P805, and P806 only as specified in Table 4 of 40 CFR 63, Subpart ZZZZ.

y. Method 311 for the determination of the mass fraction of organic HAP for each coating, thinner and/or other additive and cleaning material for P970.
[40 CFR 63.3941(a)]

Minor changes in methodology may be specified or approved by the Director or his designee when necessitated by process variables, changes in facility design, or improvement or corrections that, in his opinion, render those methods or procedures, or portions thereof, more reliable.
[391-3-1-.02(3)(a)]

4.1.4 The Permittee shall submit performance test results to the US EPA's Central Data Exchange (CDX) using the Compliance and Emissions Data Reporting Interface (CEDRI) in accordance with any applicable NSPS or NESHAP standards (40 CFR 60 or 40 CFR 63) that contain Electronic Data Reporting Requirements. This Condition is only applicable if required by an applicable standard and for the pollutant(s) subject to said standard.
[391-3-1-.02(8)(a) and 391-3-1-.02(9)(a)]

4.2.A Specific Testing Requirements [MULTI]

None applicable.

4.2.B Specific Testing Requirements [BWP]

None applicable.

4.2.C Specific Testing Requirements [MC]

4.2.C.1 The Permittee shall conduct performance tests for P358 for each calendar month for each affected facility P358 as defined by 40 CFR 60.460(a) and (b) and 40 CFR 60.461 according to the procedures of §60.463. Section 60.8(d) and (f) do not apply to the performance test.
[40 CFR 60.466]

4.2.C.2 The Permittee shall determine the HAP or volatile matter and solids coating materials for the UV-cured application system P358 according to the process in 40 CFR 63.5160(b) and (c).
[40 CFR 63.5160]

4.2.D Specific Testing Requirements [CRM]

None applicable.

4.2.E Specific Testing Requirements [UPP]

4.2.E.1 Within 90 days after the initial startup of the Annealing Furnace (emission unit ID No. P523), the Permittee shall conduct performance tests for volatile organic compounds emissions.

The Permittee shall establish a VOC Emission Factor for the annealing furnace in terms of pounds of VOC per ton of metal used. Such performance tests shall be conducted at worst-case conditions.
[Avoidance of 40 CFR 51.165, 391-3-1-.02(2)(3), and 391-3-1-.03(2)(c)]

4.2.F Specific Testing Requirements [MSG]

None applicable.

4.2.G Specific Testing Requirements [CTC]

None applicable.

4.2.H Specific Testing Requirements [CEM]

4.2.H.1 Each performance test must be conducted according to the requirements in §63.7(e)(1) and under the specific conditions that 40 CFR 63, Subpart ZZZZ specifies in Table 4. The test must be conducted at any load condition within plus or minus 10 percent of 100 percent load. The Permittee may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in 40 CFR 63.7(e)(1), and must conduct three separate test runs for each performance test required, as specified in 40 CFR 63.7(e)(3). Each test run must last at least 1 hour.
[40 CFR 63.6595(a)(3), 40 CFR 63.6620, and Table 4 of 40 CFR 63, Subpart ZZZZ]

4.2.H.2 The Permittee must use the following equation of to determine compliance with the percent reduction requirement:
[40 CFR 63.6620(e)(1)]

$$\frac{(C_i - C_o)}{C_i} x100 = R$$

Where:

C_i = concentration of formaldehyde at the control device inlet,

C_o = concentration of formaldehyde at the control device outlet, and

R = percent reduction of formaldehyde emissions.

4.2.H.3 The Permittee must normalize the formaldehyde concentrations at the inlet and outlet of each control device (Air Pollution Control Device IDs: C804, C805, and C806) to a dry basis and to 15 percent oxygen, or an equivalent percent carbon dioxide (CO_2). If pollutant concentrations are to be corrected to 15 percent oxygen and CO_2 concentration is measured in lieu of oxygen concentration measurement, a CO_2 correction factor is needed. The Permittee shall calculate the CO_2 correction factor as described in paragraphs (e)(2)(i) through (iii) of §63.6620.
[40 CFR 63.6620(e)(2)]

4.2.H.4 The engine percent load for each of the Waukesha Engines (Source IDs: P804, P805, and P806) during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, the model number of the measurement device, and an estimate of its accurate in percentage of true value must be provided.
[40 CFR 63.6620(i)]

4.2.H.5 In the event the Permittee changes the catalyst in any of the control devices (Air Pollution Control Device IDs: C804, C805, or C806), within 180 days the Permittee must reestablish the values of the operating parameters measured during the initial performance test. When the Permittee reestablishes the values of operating parameters, the Permittee must also conduct a performance test to demonstrate that the required emission limitations applicable to each of the Waukesha Engines (Source IDs: P804, P805, and P806) are met.
[40 CFR 63.6640(b)]

4.2.H.6 The Permittee shall demonstrate initial compliance with the limit in Permit Condition 3.3.H.3 by doing the following:
[40 CFR 63.6630 and Table 5 of 40 CFR 63, Subpart ZZZZ]

a. Proving that the average reduction of emissions of formaldehyde determined from the initial performance test is equal to or greater than the required formaldehyde percent reduction; and

b. Installing a continuous parameter monitoring system (CPMS) to continuously monitor catalyst inlet temperature according to the requirements in § 63.6625(b) and Permit Conditions 5.2.H.2 and 5.2.H.3; and

c. Recording the catalyst pressure drop and catalyst inlet temperature during the initial performance test.

4.2.H.7 The Permittee shall follow the procedures in 40 CFR 60.4244(d) through (f) when conducting performance testing on Waukesha Engines P804, P805, and P806. Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in 40 CFR 60.8 and under the specific conditions that are specified by Table 2 of 40 CFR 60, Subpart JJJJ. The Permittee shall not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in 40 CFR 60.8(c). If Waukesha Engine P804, P805, or P806 is non-operational, the Permittee does not need to startup the engine solely to conduct a performance test; however, the Permittee shall conduct the performance test immediately upon startup of Waukesha Engine P804, P805, or P806.

The Permittee shall conduct three separate test runs for each performance test required in 40 CFR 60.4244, as specified in 40 CFR 60.8(f). Each test run shall last at least 1 hour.
[40 CFR 60.4244(a), 40 CFR 60.4244(b), 40 CFR 60.4244(c)]

4.2.H.8 If the Permittee chooses to measure VOC emissions using either Method 18 or Method 320, then the Permittee shall follow the procedures in 40 CFR 60.4244(g) when conducting performance testing for Waukesha Engine P804, P805, or P806.
[40 CFR 60.4244(g)]

4.2.H.9 The Permittee conducted initial performance tests on Waukesha Engine P805 and P806 and a subsequent performance test for P804 for NO_X, CO, and VOC. The Permittee shall conduct subsequent performance tests every 8,760 operating hours or 3 years, whichever comes first, thereafter to demonstrate compliance with 40 CFR 60 Subpart JJJJ. The Permittee shall demonstrate that Waukesha Engines P804, P805, and P806 comply with the emission standards specified in 40 CFR 60.4233(f).
[40 CFR 60.4243(c), 40 CFR 60.4243(b)(2)(ii)]

4.2.I Specific Testing Requirements [TAP]

Not Applicable.

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.1 General Monitoring Requirements

5.1.1 Any continuous monitoring system required by the Division and installed by the Permittee shall be in continuous operation and data recorded during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Monitoring system response, relating only to calibration checks and zero and span adjustments, shall be measured and recorded during such periods. Maintenance or repair shall be conducted in the most expedient manner to minimize the period during which the system is out of service.
[391-3-1-.02(6)(b)1]

5.2.A Specific Monitoring Requirements [MULTI]

None applicable.

5.2.B Specific Monitoring Requirements [BWP]

5.2.B.1 The Permittee shall develop and implement a Preventative Maintenance Program for the oil mist collector (Air Pollution Control ID No. C681) and dust filter systems (Air Pollution Control ID Nos. C324, C632, C635, C638, C641, C645, C650, C653, C658, C663, C666, C673, C676, and C679) to assure that the provisions of condition 8.17.1 are met. The program shall be subject to review and, if necessary to assure compliance, modification by the Division. At a minimum, the following operation and maintenance checks shall be made as indicated in paragraphs a through d of this permit condition, and a record of the findings and corrective actions taken shall be kept in a maintenance log:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. The Permittee shall inspect the oil mist collectors and dust filter systems listed in this permit condition to ensure proper operation per manufacturer's specifications. The Permittee shall retain a record of such inspections including the date and time in a monthly inspection log suitable for inspection or submittal.

b. The Permittee shall replace or clean the oil mist collector media for oil mist collectors (Air Pollution Control ID No.C681) per manufacturer's specifications or semiannually at a minimum, whichever is more frequent. The Permittee shall retain a record of such maintenance including the date and time in a maintenance log suitable for inspection or submittal.

c. The Permittee shall replace or clean the dust filter media for dust filter systems (Air Pollution Control ID Nos. C324, C632, C635, C638, C641, C645, C650, C653, C658, C663, C666, C673, C676, and C679) per manufacturer's specifications or annually at a minimum, whichever is more frequent. The Permittee shall retain a record of such maintenance including the date and time in a maintenance log suitable for inspection or submittal.

d. For each source identified in Condition 5.2.B.1 that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions and the corrective action taken in a maintenance log suitable for inspection or submittal.

5.2.B.2 The Permittee shall inspect bin vent filters C670, C671, C683, C684, and C685 at least once every quarter and clean or replace the filter media at least once semiannually.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.B.3 The Permittee shall maintain a log indicating the date and time that bin vent filters C670, C671, C683, C684, and C685 are inspected and the filter media is cleaned or replaced. Any failure to perform the inspections and media cleaning and replacements as prescribed in Condition 5.2.B.2 shall be reported in accordance with Condition 6.1.B.7 and shall be indicated in the log.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.C Specific Monitoring Requirements [MC]

5.2.C.1 The Permittee shall develop and implement a Preventative Maintenance Program for the dust filter systems (Air Pollution Control ID Nos. C327, C330, C334, C337, C347 and C350) to assure that the provisions of Condition 8.17.1 are met. The program shall be subject to review and, if necessary to assure compliance, modification by the Division. At a minimum, the following operation and maintenance checks shall be made as indicated in paragraphs a through c of this permit condition, and a record of the findings and corrective actions taken shall be kept in a maintenance log:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. The Permittee shall inspect dust filter systems listed in this permit condition to ensure proper operation per manufacturer's specifications. The Permittee shall retain a record of such inspections including the date and time in a monthly inspection log suitable for inspection or submittal.

b. The Permittee shall replace or clean the dust filter media for dust filter systems (Air Pollution Control ID Nos. C327, C330, C334, C337, C347 and C350) per manufacturer's specifications or annually at a minimum, whichever is more frequent. The Permittee shall retain a record of such maintenance including the date and time in a maintenance log suitable for inspection or submittal.

c. For each source identified in Condition 5.2.C.1 that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions and the corrective action taken in a maintenance log suitable for inspection or submittal.

5.2.D Specific Monitoring Requirements [CRM]

5.2.D.1 The Permittee shall develop and implement a Preventative Maintenance Program for oil mist collector C478 to assure that the provisions of condition 8.17.1 are met. The program shall be subject to review and, if necessary to assure compliance, modification by the Division. At a minimum, the following operation and maintenance checks shall be made as indicated in paragraphs a through c of this permit condition, and a record of the findings and corrective actions taken shall be kept in a maintenance log:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. The Permittee shall inspect the oil mist collectors listed in this permit condition to ensure proper operation per manufacturer's specifications. The Permittee shall retain a record of such inspections including the date and time in a monthly inspection log suitable for inspection or submittal.

b. The Permittee shall replace or clean the oil mist collector media for oil mist collectors (Air Pollution Control ID No. C478) per manufacturer's specifications or semiannually at a minimum, whichever is more frequent. The Permittee shall retain a record of such maintenance including the date and time in a maintenance log suitable for inspection or submittal.

c. For each source identified in Condition 5.2.D.1 that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions and the corrective action taken in a maintenance log suitable for inspection or submittal.

5.2.D.2 The following pollutant specific emission unit(s) (PSEU) is/are subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR 64.

Emission Unit	Pollutant
Q467	VOC

Permit conditions in this permit for the PSEU(s) listed above with regulatory citation 40 CFR 70.6(a)(3)(i) are included for the purpose of complying with 40 CFR 64. In addition, the Permittee shall meet the requirements, as applicable, of 40 CFR 64.7, 64.8, and 64.9.
[40 CFR 64]

5.2.D.3 The Permittee shall comply with the performance criteria listed in the table below for the VOC emissions from Emission Unit Q467.
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	**Indicator No. 1** **Furnace (Source ID F409) burner temperature.**
A. Data Representativeness [64.3(b)(1)]	On at least a daily basis, a hand-held, infrared temperature sensor will be used (aimed through a sight glass of a Rod Mill Shaft Furnace burner) to establish a measurement of the Rod Mill Shaft Furnace's copper melting chamber temperature.
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	Perform temperature sensor calibrations and maintenance at least annually.
C. QA/QC Practices and Criteria [64.3(b)(3)]	Perform temperature sensor calibrations and maintenance at least annually. Personnel shall place the temperature sensor directly on an "A ring" furnace burner sight glass and aim at the burner flame for each temperature reading.
D. Monitoring Frequency [64.3(b)(4)]	Daily monitoring and manual recordkeeping of at least one instantaneous temperature reading will be taken and recorded each 12-hour shift, provided a shift has at least 4 hours of normal operation. If more than one reading is taken during a day, the temperature readings will be averaged to determine an average daily temperature. No monitoring is required when rod production is shutdown. In lieu of recording temperature readings, personnel will document that the rod production system is not in service.
Data Collection Procedures [64.3(b)(4)]	Temperature readings will be manually recorded in a log and periodically transferred to a spreadsheet. The average temperature value will be calculated by the spreadsheet.
Averaging Period [64.3(b)(4)]	Daily monitoring and manual recordkeeping will be performed. At least one instantaneous temperature reading will be taken and recorded each 12-hour shift, provided a shift has at least 4 hours of normal operation. If more than one reading is taken during a day, the temperature readings will be averaged to determine an average daily temperature.

5.2.E Specific Monitoring Requirements [UPP]

5.2.E.1 The Permittee shall install, calibrate, maintain, and operate a system to monitor and record as specified in Condition 6.2.E.1 the indicated parameters on the following equipment. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Pressure drop across the overspray filter (C001) controlling the spray booth (P001). The device shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.E.2 The Permittee shall monitor and maintain a log indicating the date and time that bin vent filters C280, C281, C760, and C761 are checked and cleaned or replaced. Any failure to perform Preventive Maintenance schedule as prescribed in Condition No. 3.5.E.1 shall be reported in accordance with Condition No. 6.1.E.7 and shall be indicated in the log.
[391-3-1-.02(6)(b)1.(ii)]

5.2.E.3 The Permittee shall develop and implement a Preventative Maintenance Program for the oil mist collectors and dust filter systems (Air Pollution Control ID Nos. C744, C756, C736, C742, C749, C752, C524, and C525) to assure that the provisions of condition 8.17.1 are met. The program shall be subject to review and, if necessary to assure compliance, modification by the Division. At a minimum, the following operation and maintenance checks shall be made as indicated in paragraphs a through d of this permit condition, and a record of the findings and corrective actions taken shall be kept in a maintenance log:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. The Permittee shall inspect the oil mist collectors and dust filter systems listed in this permit condition to ensure proper operation per manufacturer's specifications. The Permittee shall retain a record of such inspections including the date and time in a monthly inspection log suitable for inspection or submittal.

b. The Permittee shall replace or clean the oil mist collector media for oil mist collectors (Air Pollution Control ID Nos. C744, C756, C524, and C525) per manufacturer's specifications or semiannually at a minimum, whichever is more frequent. The Permittee shall retain a record of such maintenance including the date and time in a maintenance log suitable for inspection or submittal.

c. The Permittee shall replace or clean the dust filter media for dust filter systems (Air Pollution Control ID Nos. C736, C742, C749, and C752) per manufacturer's specifications or annually at a minimum, whichever is more frequent. The Permittee shall retain a record of such maintenance including the date and time in a maintenance log suitable for inspection or submittal.

d. For each source that exhibits visible emissions, the Permittee shall determine the cause of the visible emissions and correct the problem in the most expedient manner possible. The Permittee shall note the cause of the visible emissions and the corrective action taken in a maintenance log suitable for inspection or submittal.

5.2.E.4 The Permittee shall always operate and maintain Paint Booth P001 and associated items listed in 40 CFR 63.3882(b)(1) through (4), including all air pollution control and monitoring equipment used for purposes of complying with 40 CFR 63, Subpart MMMM, according to the provisions in 40 CFR 63.6(e)(1)(i).
[40 CFR 63.3900(b)]

5.2.F Specific Monitoring Requirements [MSG]

5.2.F.1 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Pressure drop across each dust control device, C305, C306, C307, C308, C16A, and C16B. Data shall be recorded daily for each operating day. Each day of non-operation shall be indicated in the same log or record.

5.2.F.2 The following pollutant specific emission unit(s) (PSEU) is/are subject to the Compliance Assurance Monitoring (CAM) Rule in 40 CFR 64.

Emission Unit	Pollutant
Goff Shot Peening Machine P306	Particulate Matter
South Shot Blasting Booth P308	Particulate Matter

Permit conditions in this permit for the PSEU(s) listed above with regulatory citation 40 CFR 70.6(a)(3)(i) are included for the purpose of complying with 40 CFR 64. In addition, the Permittee shall meet the requirements, as applicable, of 40 CFR 64.7, 64.8, and 64.9.
[40 CFR 64]

5.2.F.3 The Permittee shall comply with the performance criteria listed in the table below for the particulate matter emissions from the Goff Shot Peening Machine (Source ID: P306):
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	Indicator No. 1 Pressure Drop
A. Data Representativeness [64.3(b)(1)]	Magnahelic gauge used to measure pressure drop across filter media.
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	NA
C. QA/QC Practices and Criteria [64.3(b)(3)]	Perform magnahelic gauge calibrations and maintenance at least annually.
D. Monitoring Frequency [64.3(b)(4)]	Observe and record pressure drop once per day unit is in service. Pressure drop may be recorded manually.
Data Collection Procedures [64.3(b)(4)]	Observe and record pressure drop once per day unit is in service. Pressure drop may be recorded manually.
Averaging Period [64.3(b)(4)]	Instantaneous

5.2.F.4 The Permittee shall comply with the performance criteria listed in the table below for the particulate matter emissions from the South Shot Blasting Booth (Source ID: P308): [40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	**Indicator No. 1 Pressure Drop**
A. Data Representativeness [64.3(b)(1)]	Magnahelic gauge used to measure pressure drop across filter media.
B. Verification of Operational Status (new/modified monitoring equipment only) [64.3(b)(2)]	NA
C. QA/QC Practices and Criteria [64.3(b)(3)]	Perform magnahelic gauge calibrations and maintenance at least annually.
D. Monitoring Frequency [64.3(b)(4)]	Observe and record pressure drop once per day unit is in service. Pressure drop may be recorded manually.
Data Collection Procedures [64.3(b)(4)]	Observe and record pressure drop once per day unit is in service. Pressure drop may be recorded manually.
Averaging Period [64.3(b)(4)]	Instantaneous

5.2.G Specific Monitoring Requirements [CTC]

5.2.G.1 During each day that a flame test is conducted in Chamber P910, Chamber P912, or Chamber P913, the Permittee shall read and record the opacity of emissions. The observation period shall be at least six minutes during a flame test and shall be conducted in accordance with Method 9 as given in Condition 4.1.3.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.G.2 The Permittee shall install, calibrate, maintain, and operate indicators on Scrubber C912 and Scrubber C951 for scrubbant flow rate in gallons per minute and differential pressure of the gas stream in inches of water. Data shall be recorded at least once during each day Test Chambers P910, P912, P913, and/or P951 are in operation. The Permittee shall calibrate these monitoring devices at least once per calendar year.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.G.3 The Permittee shall establish a scrubbant flow rate operating range and differential pressure operating range at which to obtain the optimal Scrubber C912 and Scrubber C951 removal efficiency. The Permittee shall develop a site specific operating plan that incorporates the established scrubbant flow rate and differential pressure ranges at which Scrubber C912 and Scrubber C951 will be operated. The plan shall be made available for Division review upon request.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

5.2.G.4 Once Cofer Operating Scenario 2 is implemented, Cofer Operating Scenario 1 and Permit Condition 5.2.G.1 become invalid.

5.2.G.5 The Permittee shall conduct the specified tune-up meeting the requirements of Subpart DDDDD for Boiler P911, as listed below:
[40 CFR 63.7540 (a) (10), (12), and (13)]

a. As applicable, inspect the burner, and clean or replace any components of the burner as necessary (The Permittee may delay the burner inspection until the next scheduled unit shutdown). At units where entry into a piece of process equipment or into a storage vessel is required to complete the tune-up inspections, inspections are required only during planned entries into the storage vessel or process equipment;

b. Inspect the flame pattern, as applicable, and adjust the burner as necessary to optimize the flame pattern. The adjustment should be consistent with the manufacturer's specifications, if available;

c. Inspect the system controlling the air-to-fuel ratio, as applicable, and ensure that it is correctly calibrated and functioning properly (The Permittee may delay the inspection until the next scheduled unit shutdown).;

d. Optimize total emissions of CO. This optimization should be consistent with the manufacturer's specifications, if available, and with any NO_x requirement to which the unit is subject;

e. Measure the concentrations in the effluent stream of CO in parts per million, by volume, and oxygen in volume percent, before and after the adjustments are made (measurements may be either on a dry or wet basis, as long as it is the same basis before and after the adjustments are made). Measurements may be taken using a portable CO analyzer; and

f. Maintain on-site and submit, if requested by the Division, an annual report containing the information in (i) through (iii) below,

i. The concentrations of CO in the effluent stream in parts per million by volume, and oxygen in volume percent, measured at high fire or typical operating load, before and after the tune-up of the boiler or process heater;

ii. A description of any corrective actions taken as a part of the tune-up; and

iii. The type and amount of fuel used over the 12 months prior to the tune-up, but only if the unit was physically and legally capable of using more than one type of fuel during that period. Units sharing a fuel meter may estimate the fuel used by each unit.

g. For units with a 5 year tune-up schedule, the burner inspection may be delayed until the next scheduled unit shutdown but must be inspected at least every 72 months.

h. If the unit is not operating on the required date for a tune-up, the tune-up must be conducted within 30 calendar days of startup.

5.2.H Specific Monitoring Requirements [CEM]

5.2.H.1 The Permittee shall monitor the emissions of Nitrogen Oxides (NO_x) from the Waukesha Engines (Source IDs. P804, P805, and P806) during the period from May 1 through September 30 each year by performing a test measurement to demonstrate that the NO_x concentrations corrected to 15 percent Oxygen (O_2) are below the applicable standard. The test measurements shall use the following procedures:
[391-3-1-.02(6)(b)1 and PTM Section 2.120]

a. The measurements shall be performed no earlier than March 1 and no later than May 1 of each calendar year. Should an affected facility become operational during the period from May 1 to September 20, a measurement shall be performed within the first 120 hours of operation.

b. The measurement shall be performed using the manufacturer recommended settings for reduced NO_X emissions.

c. The Permittee shall carry out a measurement consisting of a minimum of three test measurements to demonstrate that the emissions are less than or equal to the applicable standards. East test measurement shall be a minimum of 30 minutes in length. One test measurement shall be conducted at the expected minimum engine load level for the upcoming ozone season; one test measurement shall be at the expected maximum engine load level for the upcoming ozone season; and the third test measurement shall be conducted at the engine load level that is representative of expected normal operation for the upcoming ozone season.

d. All measurements of NO_x and O_2 concentrations shall be conducted using the procedures of the American Society for Testing and Materials (ASTM) Test Method for Determination of Nitrogen Oxides, Carbon Monoxide, and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers ASTM D6522, or procedures of Gas Research Institute Method GRI-96-0008, EPA/EMC Conditional Test Method (CTM-30) Determination of NO_x, Carbon Monoxide (CO), and Oxygen Concentrations in Emissions from Natural Gas-Fired Reciprocating Engines, Combustion Turbines, Boilers, and Process Heaters Using Portable Analyzers, or the Procedures of EPA Reference Methods 7E and 3A.

e. The Permittee shall maintain records of all measurements performed in accordance with this section. These records shall indicate the date and time the measurements were performed, the NO_X and O_2 values determined during the measurements, the average inlet temperature to the catalyst bed, and the pressure drop across the catalyst bed at the beginning of the measurement.

f. Following the measurements, from the period May 1 through September 30 of each year, the Permittee shall operate the affected facility using the settings determined during the annual measurement. The Permittee shall certify that no adjustments have been made to the affected facility by the Permittee or any third party since the measurements were conducted. This certification shall be made in writing no later than October 15 of each year and shall be maintained with the records required by Condition 5.2.H.1.e.

5.2.H.2 The Permittee shall install, calibrate, maintain, and operate a system to continuously monitor and record the indicated parameters on the following equipment in accordance with the requirements in §63.8. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[40 CFR 63.6625(b), Table 6 of 40 CFR 63, Subpart ZZZZ, 391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Catalyst inlet temperature for each of the for control devices (Air Control Device IDs: C804, C805, and C806) of each of the Waukesha Engines (Source IDs: P804, P805, and P806).

b. Operating hours of Waukesha Engines P804, P805, and P806.

5.2.H.3 The continuous parameter monitoring system (CPMS) required by Permit Condition 5.2.H.2 shall do the following:
[40 CFR 63.6625(b), Table 6 of 40 CFR 63, Subpart ZZZZ, and 391-3-1-.02(6)(b)1]

a. Reduce data to 4-hour rolling averages;

b. Maintain the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and

c. Data shall be recorded each hour or portion of each hour Waukesha Engine P804, P805, or P806 is in operation. Data shall be reduced to one-hour rolling averages.

5.2.H.4 The Permittee shall install, calibrate, maintain, and operate monitoring devices for the measurement of the indicated parameters on the following equipment. Data shall be recorded at the frequency specified below. Where such performance specification(s) exist, each system shall meet the applicable performance specification(s) of the Division's monitoring requirements.
[40 CFR 63.6640, Table 6 of 40 CFR 63, Subpart ZZZZ, 391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Pressure drop across the catalyst for control devices (Air Pollution Control Device IDs: C804, C805, and C806) of each of the Waukesha Engines (Source IDs: P804, P805, and P806). Data shall be recorded monthly and demonstrate that the pressure drop across the catalyst is within the operating limitation established during the performance tests conducted in accordance with Permit Conditions 4.2.H.1, 4.2.H.4, and 4.2.H.5.

5.2.H.5 For engines P808, P809, P810, P811, P817, and P818, the Permittee shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625]

5.2.I Specific Monitoring Requirements [TAP]

5.2.I.1 The Permittee shall always operate and maintain Blade Coating P970 and associated items listed in 40 CFR 63.3882(b)(1) through (4), including all air pollution control and monitoring equipment used for purposes of complying with 40 CFR 63, Subpart MMMM, according to the provisions in 40 CFR 63.6(e)(1)(i).
[40 CFR 63.3900(b)]

PART 6.0 RECORD KEEPING AND REPORTING REQUIREMENTS

6.1 General Record Keeping and Reporting Requirements

6.1.1 Unless otherwise specified, all records required to be maintained by this Permit shall be recorded in a permanent form suitable for inspection and submission to the Division and to the EPA. The records shall be retained for at least five (5) years following the date of entry.
[391-3-1-.02(6)(b)1(i) and 40 CFR 70.6(a)(3)]

6.1.2 In addition to any other reporting requirements of this Permit, the Permittee shall report to the Division in writing, within seven (7) days, any deviations from applicable requirements associated with any malfunction or breakdown of process, fuel burning, or emissions control equipment for a period of four hours or more which results in excessive emissions.

The Permittee shall submit a written report that shall contain the probable cause of the deviation(s), duration of the deviation(s), and any corrective actions or preventive measures taken.
[391-3-1-.02(6)(b)1(iv), 391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.3 The Permittee shall submit written reports of any failure to meet an applicable emission limitation or standard contained in this permit and/or any failure to comply with or complete a work practice standard or requirement contained in this permit which are not otherwise reported in accordance with Conditions 6.1.4 or 6.1.2. Such failures shall be determined through observation, data from any monitoring protocol, or by any other monitoring which is required by this permit. The reports shall cover each semiannual period ending June 30 and December 31 of each year, shall be postmarked by August 29 and February 28, respectively following each reporting period, and shall contain the probable cause of the failure(s), duration of the failure(s), and any corrective actions or preventive measures taken.
[391-3-1-.03(10)(d)1.(i) and 40 CFR 70.6(a)(3)(iii)(B)]

6.1.4 The Permittee shall submit a written report containing any excess emissions, exceedances, and/or excursions as described in this permit and any monitor malfunctions for each semiannual period ending June 30 and December 31 of each year. All reports shall be postmarked by August 29 and February 28, respectively following each reporting period. In the event that there have not been any excess emissions, exceedances, excursions or malfunctions during a reporting period, the report should so state. Otherwise, the contents of each report shall be as specified by the Division's Procedures for Testing and Monitoring Sources of Air Pollutants and shall contain the following:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)(A)]

a. A summary report of excess emissions, exceedances and excursions, and monitor downtime, in accordance with Section 1.5(c) and (d) of the above referenced document, including any failure to follow required work practice procedures.

b. Total process operating time during each reporting period.

c. The magnitude of all excess emissions, exceedances and excursions computed in accordance with the applicable definitions as determined by the Director, and any conversion factors used, and the date and time of the commencement and completion of each time period of occurrence.

d. Specific identification of each period of such excess emissions, exceedances, and excursions that occur during startups, shutdowns, or malfunctions of the affected facility. Include the nature and cause of any malfunction (if known), the corrective action taken or preventive measures adopted.

e. The date and time identifying each period during which any required monitoring system or device was inoperative (including periods of malfunction) except for zero and span checks, and the nature of the repairs, adjustments, or replacement. When the monitoring system or device has not been inoperative, repaired, or adjusted, such information shall be stated in the report.

f. Certification by a Responsible Official that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

6.1.5 Where applicable, the Permittee shall keep the following records:
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(3)(ii)(A)]

a. The date, place, and time of sampling or measurement;

b. The date(s) analyses were performed;

c. The company or entity that performed the analyses;

d. The analytical techniques or methods used;

e. The results of such analyses; and

f. The operating conditions as existing at the time of sampling or measurement.

6.1.6 The Permittee shall maintain files of all required measurements, including continuous monitoring systems, monitoring devices, and performance testing measurements; all continuous monitoring system or monitoring device calibration checks; and adjustments and maintenance performed on these systems or devices. These files shall be kept in a permanent form suitable for inspection and shall be maintained for a period of at least five (5) years following the date of such measurements, reports, maintenance and records.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6 (a)(3)(ii)(B)]

6.1.A General Record Keeping and Reporting Requirements [MULTI]

6.1.A.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(iii)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any rolling twelve month period where VOC emissions, as determined by Condition 6.2.A.7, are in excess of 39 tons.

ii. Any rolling twelve month period where PM_{10} emissions, as determined by Condition 6.2.A.11, are in excess of 14 tons.

iii. Any rolling twelve month period where $PM_{2.5}$ emissions, as determined by Condition 6.2.A.11, are in excess of 14 tons.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

None required to be reported in accordance with Condition 6.1.4.

6.1.A.8 The Permittee shall provide the Division with a statement, in such form as the Director may prescribe, showing the actual emissions of nitrogen oxides and volatile organic compounds from the entire facility. These statements shall be submitted every year by the date specified in 391-3-1-.02(6)(a)4 and shall show the actual emissions of the previous calendar year.
[391-3-1-.02(6)(b)1(i)]

6.1.B General Record Keeping and Reporting Requirements [BWP]

6.1.B.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time that the hourly HCl emission rate from P154A and/or P154B, as determined by Condition 6.2.B.2, is greater than 3.5 lbs/hr.

ii. Any calendar week that the operation (i.e., burn or cleaning cycle) of Gas Oven P154A and Tooling Cleaner P154B exceeds 14 hours combined burning PVC-coated parts.

iii. Failure to follow the filter inspection and cleaning/replacement schedule described in Condition 5.2.B.2 for bin vent filters C670, C671, C683, C684, and C685.

iv. Any time any other metal other than copper is processed in Drawing Machines P643, P656, P660, P661, P682, and P689.

v. Any time Tooling Cleaning Unit P690 or Tooling Cleaning Unit P696 is used to clean PVC-coated parts.

vi. Any time Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 burn off plastic compound in excess of 56 pounds per week combined.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any time any source listed in Condition 5.2.B.1 is not operated in accordance with the Preventative Maintenance Program as required by Condition 5.2.B.1.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The Permittee shall submit the following records, as they pertain to Gas Oven P154A and Tooling Cleaner P154B:

a. Burn duration in hours per calendar week; and

b. HCl emissions per burn duration in pounds per hour.

6.1.C General Record Keeping and Reporting Requirements [MC]

6.1.C.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time any other metal other than copper is processed in Drawing Machine P332.

ii. VOC emissions from P358 in excess of limit specified in Permit Condition 3.3.C.3.

iii. HAP emissions from P358 in excess of limit specified in Permit Condition 3.3.C.4.

iv. VOC emissions from P358 in excess of limit specified in Permit Condition 3.4.C.3.

v. Any time Parts Cleaning Unit P360 burns off plastic compound in excess of 25 pounds per week.

vi. Any time the Permittee applies a coating in the Printers P361 through P380 whose VOC content exceeds 3.5 pounds per gallon of coating, excluding water. The requirements of this paragraph only apply if the Permittee is verifying compliance with the low solvent coating technology limit in Condition 3.4.C.5 using the compliance method specified in Condition 3.4.C.6a.

vii. Any 24-hour weighted average of all coatings used in the Printers P361 through P380 which exceeds 6.67 pounds of VOC per gallon of coating solids as applied. The requirements of this paragraph only apply if the Permittee is verifying compliance with the solids equivalent limit in Condition 3.4.C.5 using the compliance method specified in Condition 3.4.C.6b.

viii. When using the compliant material option in Condition 3.3.C.6a, any use of a coating, thinner and/or additive, or cleaning material in Printers P361 through P380 that does not meet the emission limits in Condition 3.3.C.5.

ix. When using the emission rate without add-on control option in Condition 3.3.C.6b, any monthly 12-month rolling total HAP emission calculation for Printers P361 through P380 that does not comply with the emission limits in Condition 3.3.C.5.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any time any source listed in Condition 5.2.C.1 is not operated in accordance with the Preventative Maintenance Program as required by Condition 5.2.C.1.

6.1.D General Record Keeping and Reporting Requirements [CRM]

6.1.D.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any 12 consecutive month total VOC emissions from the Rod Mill Shaft Furnace (F409) and the Rod Mill Quenching and Cooling System (Q467), combined, which exceeds 73 tons.

ii. Any time any other metal other than copper is processed in Drawing Machine P477.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any time any source listed in Condition 5.2.D.1 is not operated in accordance with the Preventative Maintenance Program as required by Condition 5.2.D.1.

ii. Any 24-hour averaging period the Furnace (F409) is operated below 1,450 $^{\circ}$F, or the most recent Division-approved temperature.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The twelve consecutive month total VOC emissions (tons) from the Rod Mill Shaft Furnace (F409) and the Rod Mill Quenching and Cooling System (Q467), combined, for each month in the reporting period.

6.1.E General Record Keeping and Reporting Requirements [UPP]

6.1.E.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Failure to follow the filter cleaning/replacement schedule of Condition 3.5.E.1 for bin vent filters C280, C281, C760, and C761.

ii. Any time the Permittee applies a coating in the paint booth (Source Code: P001) whose VOC content exceeds 3.5 pounds per gallon of coating, excluding water. This condition only applies when the Permittee is subject to Condition 3.4.E.7a.

iii. Any 24-hour weighted average of all coatings used in the paint booth (Source Code: P001) which exceeds 6.67 pounds of VOC per gallon of coating solids as applied. This condition only applies when the Permittee is subject to Condition 3.4.E.7b.

iv. Any time that the hourly HCl emission rate from P745, as determined by Condition 6.2.E.5, is greater than 3.1 lbs/hr.

v. Any calendar week that the operation (i.e., burn or cleaning cycles) of the Parts Cleaning Oven P745 exceeds 14 hours burning PVC-coated parts.

vi. Any rolling twelve month period where VOC emissions, as determined by Condition 6.2.E.17, are in excess of 39 tons.

vii. Any rolling twelve month period where individual HAP emissions, as determined by Condition 6.2.E.19, are in excess of 9 tons.

viii. Any rolling twelve month period where total combined HAP emissions, as determined by Condition 6.2.E.19, are in excess of 24 tons.

ix. Any time Tool Cleaning Unit P786 is used to clean residue from any PVC-coated or nylon-coated parts.

x. Any twelve month rolling period that the amount of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts cleaned in Tool Cleaning Unit P786 exceeds 4,160 pounds.

xi. When using the compliant material option in Condition 3.3.E.2a, any use of a coating, thinner and/or additive, or cleaning material that does not meet the emission limits in Condition 3.3.E.1.

xii. When using the emission rate without add-on control option in Condition 3.3.E.2b, any monthly 12-month rolling total HAP emission calculation that does not comply with the emission limits in Condition 3.3.E.1.

xiii. Any time Tool Cleaning Unit P527 is used to clean residue from any PVC-coated or nylon-coated parts.

xiv. Any twelve month rolling period that the amount of residue cleaned from residue from polyethylene-, cross-linked polyethylene-, other non-halogenated plastic-, and rubber-coated parts cleaned in Tool Cleaning Unit P527 exceeds 4,160 pounds.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with t any averaging period specified for averaging the results of the monitoring)

i. Any time the pressure drop across the fabric filter, C001, as measured pursuant to Condition 5.2.E.1, is outside the range of 4 inches of water or 0.3 inches of mercury above the base reading of a new filter.

ii. Any time any source listed in Condition 5.2.E.3 is not operated in accordance with the Preventative Maintenance Program as required by Condition 5.2.E.3.

iii. Any time that the oil mist collectors (Air Pollution Control ID Nos. C524 and C525) are not operated when the drawing machines (emission unit ID Nos. P524 and P525) are in operation.

iv. Any time more than three of the four extruders on any of the CV Extrusion Lines (emission unit ID Nos. P501, P504, P507, P510, P513, or P516) are operated at one time.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The Permittee shall submit the following records, as they pertain to the Parts Cleaning Oven with Afterburner (emission unit ID No. P745):
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Burn duration of PVC-coated parts in hours per calendar week; and

b. HCl emissions per burn duration of PVC-coated parts in pounds per hour

ii. The twelve month rolling total VOC emissions (tons) from equipment listed in Permit Condition 3.2.E.3.

iii. The twelve month rolling total individual HAP emissions (tons) and the twelve month rolling total combined HAP emissions (tons) from equipment listed in Permit Condition 3.2.E.4.

iv. Twelve month rolling weight of residue cleaned from parts in Tool Cleaning Unit P786 as calculated per Permit Condition 6.2.E.22.

v. Failure to collect and keep appropriate records as required by Conditions 6.2.E.23 through 6.2.E.30.

6.1.F General Record Keeping and Reporting Requirements [MSG]

6.1.F.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time the Permittee applies a coating in the paint booth (Emission Unit P316) whose VOC content exceeds 3.5 pounds per gallon of coating, excluding water. The requirements of this paragraph only apply if the Permittee is verifying compliance with the low solvent coating technology limit in Condition 3.4.F.3 using the compliance method specified in Condition 3.4.F.4a.

ii. Any 24-hour weighted average of all coatings used in the paint booth (emission unit ID No. P316) which exceeds 6.67 pounds of VOC per gallon of coating solids as applied. The requirements of this paragraph only apply if the Permittee is verifying compliance with the solids equivalent limit in Condition 3.4.F.3 using the compliance method specified in Condition 3.4.F.4b.

iii. When using the compliant material option in Condition 3.3.F.2a, any use of a coating, thinner and/or additive, or cleaning material in Paint Booth P316 that does not meet the emission limits in Condition 3.3.F.1.

iv. When using the emission rate without add-on control option in Condition 3.3.F.2b, any monthly 12-month rolling total HAP emission calculation for Paint Booth P316 that does not comply with the emission limits in Condition 3.3.F.1.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any time the pressure drop across C305, C306, C307, and/or C308 is outside the range of 1 to 5 inches of water,

ii. Any time the pressure drop across C16A, and/or C16B, as measured pursuant to Condition No. 5.2.F.1, is below the base reading of a new filter or more than 4 inches of water above the base reading of a new filter.

6.1.G General Record Keeping and Reporting Requirements [CTC]

6.1.G.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

i. Any six-minute average opacity from Chamber P910, P912, or P913 is equal to or greater than twenty (20) percent.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. **Cofer Operating Scenario 1:**
Any day that more than three (3) flame tests are conducted in Chamber P910, P912, and P913 combined. For the purpose of this condition, a day shall be defined as the period between 12:00 midnight and the following midnight.

ii. **Cofer Operating Scenario 1:**
Any twelve consecutive month period during which more than 450 flame tests are conducted in Chambers P910, P912, and P913 combined.

iii. **Cofer Operating Scenario 1:**
Any time Chamber P910, Chamber P912, or Chamber P913 operate simultaneously.

iv. **Cofer Operating Scenario 2:**
Any day that more than five (5) tests are conducted in Chamber P910, any day that more than five (5) tests are conducted in Chamber P912, or any day that more than five (5) tests are conducted in Chamber P913. For the purpose of this condition, a day shall be defined as the period between 12:00 midnight and the following midnight.

v. **Cofer Operating Scenario 2:**
Any twelve consecutive month period during which more than 1,150 tests are conducted in Chamber P910, any twelve consecutive month period during which more than 1,150 tests are conducted in Chamber P912, or any twelve consecutive month period during which more than 1,150 tests are conducted in Chamber P913.

vi. Once Cofer Operating Scenario 2 is implemented, Cofer Operating Scenario 1 and Permit Conditions 6.1.G.7.b. i. through iii become invalid.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

None required to be reported in accordance with Condition 6.1.4.

6.1.H General Record Keeping and Reporting Requirements [CEM]

6.1.H.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time formaldehyde emissions exceed the limit established by Permit Condition 3.3.H.3.

ii. Any time the total hours of operation of Waukesha Engine P804, P805, or P806 is more than 3,261 hours during any twelve consecutive months.

iii. Any required measurement of nitrogen oxides on engines with Emission unit ID No. P804, P805, or P806, that exceeds 80 parts per million, corrected to 15 percent oxygen.

iv. Any time the total hours of maintenance checks and readiness testing of Engines P808, P809, P810, P811, P817, or P818 is more than 100 hours during any twelve consecutive months and/or other non-emergency use exceeds 50 hours during any twelve consecutive months.

v. Any time nitrogen oxides or carbon monoxide emissions exceed the limits established by Permit Condition 3.3.H.8.

vi. Any time Engine 807 or Engine P813 each operate more than 200 hours per year.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

i. Any 4-hour average catalyst inlet temperature of the stationary exhaust from each of the Waukesha Engines (Source IDs: P804, P805, or P806) that is less than 750 degrees Fahrenheit (°F) or greater than 1250 °F.

ii. Any pressure drop across the catalyst, recorded in accordance with Condition 5.2.H.4, for Waukesha Engine P804, P805, or P806 that changes by more than two inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst measured during the most recent performance test.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. The Permittee shall submit reports of hours of operation for emission units P804, P805, P806, and P807. The reports shall contain the 12-consecutive month total hours of operation for the applicable emission units for each of the six months in the semiannual period. A 12-consecutive month total shall be the total for a month in the reporting period plus the totals for the previous eleven consecutive months. The reports shall be prepared from the records retained in conditions 6.2.H.1.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

ii. The Permittee shall submit reports for all semiannual periods during which diesel fuel was combusted in emission unit P807. The report shall contain diesel fuel supplier certifications and a certified statement from a Responsible Official that the records of diesel fuel supplier certifications submitted represent all of the diesel fuel combusted during the semiannual period.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

iii. The Permittee shall submit semiannual reports in accordance with Permit Condition 6.1.4 which shall contain the all information required contained in paragraphs (c)(1) through (c)(6) of §63.6650 and Table 7 of 40 CFR 63, Subpart ZZZZ for Waukesha Engine P804, Waukesha Engine P805, and Waukesha Engine P806. In the event of any deviations from operating parameter and emission limitations, the report shall contain all information required contained in (c)(1) through (c)(7) and (e)(1) through (e)(12) of §63.6650.
[40 CFR 63.6650(b)(5), 40 CFR 63.6650(c), 40 CFR 63.6650(e), 40 CFR 63.6650(f), and Table 7 of 40 CFR 63, Subpart ZZZZ]

6.1.I General Record Keeping and Reporting Requirements [TAP]

6.1.I.7 For the purpose of reporting excess emissions, exceedances or excursions in the report required in Condition 6.1.4, the following excess emissions, exceedances, and excursions shall be reported:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Excess emissions: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping which is specifically defined, or stated to be, excess emissions by an applicable requirement)

None required to be reported in accordance with Condition 6.1.4.

b. Exceedances: (means for the purpose of this Condition and Condition 6.1.4, any condition that is detected by monitoring or record keeping that provides data in terms of an emission limitation or standard and that indicates that emissions (or opacity) do not meet the applicable emission limitation or standard consistent with the averaging period specified for averaging the results of the monitoring)

i. Any time the Permittee applies a coating in blade coating (Source Code: P970) whose VOC content exceeds 3.5 pounds per gallon of coating, excluding water. This condition only applies when the Permittee is subject to Condition 3.4.I.4a.

ii. Any 24-hour weighted average of all coatings used in blade coating (Source Code: P970) which exceeds 6.67 pounds of VOC per gallon of coating solids as applied. This condition only applies when the Permittee is subject to Condition 3.4.I.4b.

iii. When using the compliant material option in Condition 3.3.I.2a, any use of a coating, thinner and/or additive, or cleaning material that does not meet the emission limits in Condition 3.3.I.1.

iv. When using the emission rate without add-on control option in Condition 3.3.I.2b, any monthly 12-month rolling total HAP emission calculation that does not comply with the emission limits in Condition 3.3.I.1.

c. Excursions: (means for the purpose of this Condition and Condition 6.1.4, any departure from an indicator range or value established for monitoring consistent with any averaging period specified for averaging the results of the monitoring)

None required to be reported in accordance with Condition 6.1.4.

d. In addition to the excess emissions, exceedances and excursions specified above, the following should also be included with the report required in Condition 6.1.4:

i. Failure to collect and keep appropriate records as required by Conditions 6.2.I.4 and 6.2.I.5.

6.2 Specific Record Keeping and Reporting Requirements

6.2.A Specific Record Keeping and Reporting Requirements [MULTI]

6.2.A.1 MC Plant, Building Wire Plant, and Utility Products Plant shall maintain monthly usage records of all materials utilized in Ink Application Systems P633, P636, P639, P642, P646, P647A&B, P648A&B, P651, P654, P659, P664, P667, P668, P669, P674, P677, P680, P319A&B, P320A&B, P321A&B, P322A&B, P325, P328, P331, P335, P338-P345, P348, P351, P737, P743, P746, P747, P750, and P753-P755; and Ink Wash Station P655 containing VOC. These records shall include the total weight of each material used, the weighed or calculated amount of waste material disposed, and the calculated amount of VOC contained in each material or waste (expressed as a weight percentage, or in lbs/gal).
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.A.2 MC Plant, Building Wire Plant, and Utility Products Plant shall use the monthly usage records required in Condition 6.2.A.1 to calculate total monthly VOC emissions from the Ink Application Systems and Ink Wash Station P655.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. VOC (lbs) = [material used (lbs) * (%weight VOC_i)] – [Containerized Waste (lbs) * Weighted Average VOC Content of Ink & Solvents]

6.2.A.3 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall maintain records of monthly rod input for Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P689, P332, P744, and P756.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.A.4 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall calculate the monthly VOC emissions from Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P332, P744, and P756 using the throughput records maintained in accordance with Condition 6.2.A.3 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Drawing Machine VOC Emissions = 0.03944 lb/ton input

6.2.A.5 MC Plant, Building Wire Plant, and Utility Products Plant shall maintain records of monthly plastic throughput for Extruders P258 (stripe extruder only), P631, P634, P637, P640, P644, P649, P652, P657, P662, P665, P672, P675, P678, P323, P326, P329, P333, P336, P346, P349, P735, P741, P748, and P751.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.A.6 MC Plant, Building Wire Plant, and Utility Products Plant shall calculate the monthly VOC emissions from Extruders P258 (stripe extruder only), P631, P634, P637, P640, P644, P649, P652, P657, P662, P665, P672, P675, P678, P323, P326, P329, P333, P336, P346, P349, P735, P741, P748, and P751 using the throughput records maintained in accordance with Condition 6.2.A.5 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Moisture-Cured XLPE Extrusion VOC Emissions = 0.348 lb/ton plastic

b. Polyvinyl Chloride (PVC), Nylon, and Polyethylene Extrusion (PE) VOC Emissions = 0.0995 lb/ton plastic

6.2.A.7 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall use the calculations required by Conditions 6.2.A.2, 6.2.A.4, 6.2.A.6, 6.2.D.5, and 6.2.E.27 and the potential emissions from Annealing Furnace P721, Flame Burners P723-P734, Vertirod F476 natural gas combustion, and CTC Extruder to determine the twelve-month rolling total of VOC emissions from Plastic Extrusion Lines P258 (stripe extruder only), P631, P634, P637, P640, P644, P649, P652, P657, P662, P665, P672, P675, P678, P323, P326, P329, P333, P336, P346, P349, P735, P741, P748, and P751; Ink Application Systems P348, P351, P633, P636, P639, P642, P646, P647A&B, 648A&B, P651, P654, P659, P664, P667, P668, P669, P674, P677, P680, P319A&B, P320A&B, P321A&B, P322A&B, P325, P328, P331, P335, P338-P345, P737, P743, P746, P747, P750, and P753-P755; Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P332, P744, and P756; Vertirod F476; Ink Wash Station P655; Annealing Furnace P721; Flame Burners P723-P734; and CTC Extruder for each calendar month.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.A.8 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall calculate the monthly PM_{10} and $PM_{2.5}$ emissions from Drawing Machines P477, P478, P681, P744, P756, P643, P656, P660, P661, P682, and P332 using the throughput records maintained in accordance with Condition 6.2.A.3 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Drawing Machine PM_{10} Emissions = 0.02148 lb/ton input

b. Drawing Machine $PM_{2.5}$ Emissions = 0.02148 lb/ton input

6.2.A.9 MC Plant, Building Wire Plant, and Utility Products Plant shall maintain records of monthly material throughput for Pellet Hoppers P632, P635, P638, P641, P645, P650, P653, P658, P663, P666, P673, P676, P679, P324, P327, P330, P334, P337, P347, P350, P736, P742, P749, and P752. For recordkeeping purposes, Pellet Hopper throughput is equal to Plastic Extrusion Line throughput.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.A.10 MC Plant, Building Wire Plant, and Utility Products Plant shall calculate the monthly PM_{10} and $PM_{2.5}$ emissions from Pellet Hoppers P632, P635, P638, P641, P645, P650, P653, P658, P663, P666, P673, P676, P679, P324, P327, P330, P334, P337, P347, P350, P736, P742, P749, and P752 using the throughput records maintained in accordance with Condition 6.2.A.9 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Pellet Hoppers PM_{10} Emissions = 0.033 lb/ton input

b. Pellet Hoppers $PM_{2.5}$ Emissions = 0.033 lb/ton input

6.2.A.11 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall use the calculations required by Conditions 6.2.A.8, 6.2.A.10, 6.2.B.8, and 6.2.D.6 and the potential emissions from Annealing Furnace P721, Flame Burners P723-P734, Vertirod F476 natural gas combustion, Bucket Elevator BE1, Cooling Tower CT1, Cooling Tower CT2, MC Armoring Lines MC1 through MC75, and CTC Extruder to determine the twelve-month rolling total of PM_{10} and $PM_{2.5}$ emissions from Drawing Machines P477, P478, P643, P656, P660, P661, P681, P682, P332, P744, and P756; Storage Silos P670, P671, P683, P684, and P685; and Pellet Hoppers P632, P635, P638, P641, P645, P650, P653, P658, P663, P666, P673, P676, P679, P324, P327, P330, P334, P337, P347, P350, P736, P742, P749, and P752; Annealing Furnace P721; Flame Burners P723-P734; Vertirod F476; Bucket Elevator BE1; Cooling Towers CT1 and CT2; MC Armoring Lines MC1 through MC75; and CTC Extruder each calendar month.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.B Specific Record Keeping and Reporting Requirements [BWP]

6.2.B.1 The Permittee shall maintain the following records as they pertain to Gas Oven P154A and Tooling Cleaner P154B per burn duration:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Burn duration in hours;

b. Total weight, in pounds, of PVC coated plates before burn; and

c. Total weight, in pounds, of cleaned parts after burn.

6.2.B.2 The Permittee shall use the records required by Condition 6.2.B.1 to compute and record HCl emissions per burn duration. All calculations used for purposes of this condition shall be maintained as part of the records required by this condition. For purposes of this Permit, HCl emissions shall be computed as follows:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

HCl emissions (pounds/hr) = [A-B](C)(D)

where A = Total weight, in lbs, of PVC coated plates before burn;

B = Total weight, in lbs, of clean plates after burn;

C = Constant = 0.313 lbs HCl/lb PVC

D = 1/burn duration, in hours

6.2.B.3 The Permittee shall use the records required by Condition 6.2.B.1 to compute the weekly calendar burn duration in hours. All calculations used for purposes of this condition shall be maintained as part of the records required by this condition.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.B.4 The Permittee shall maintain the following records as they pertain to Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 per burn duration:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Burn duration in hours;

b. Total weight, in pounds, of non-PVC coated parts before burn; and

c. Total weight, in pounds, of cleaned parts after burn.

6.2.B.5 The Permittee shall use the records required by Condition 6.2.B.4 to compute the weekly weight of non-PVC plastic compound burned off in pounds. All calculations used for purposes of this condition shall be maintained as part of the records required by this condition.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.B.6 The Permittee shall maintain records of the type of coating on each part processed in Tooling Cleaning Unit P690 and Tooling Cleaning Unit P696 to demonstrate compliance with Permit Condition 3.2.B.4.
[391-3-1-.02(6)(b)1.]

6.2.B.7 Building Wire Plant shall maintain records of monthly material throughput for Storage Silos P670, P671, P683, P684, and P685.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.B.8 Building Wire Plant shall calculate the monthly PM_{10} and $PM_{2.5}$ emissions from Storage Silos P670, P671, P683, P684, and P685 using the throughput records maintained in accordance with Condition 6.2.B.7 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Storage Silos PM_{10} Emissions = 0.08 lb/ton input

b. Storage Silos $PM_{2.5}$ Emissions = 0.08 lb/ton input

6.2.B.9 Building Wire Plant shall maintain monthly records of the name and quantity of each lubricant used on Drawing Machines P643, P656, P660, P661, and P682. Building Wire shall maintain material safety data sheets for each lubricant used. Records required by this permit condition shall be maintained in a suitable form and available for inspection and/or submittal upon Division request.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.C Specific Record Keeping and Reporting Requirements [MC]

6.2.C.1 To demonstrate compliance with Permit Condition 3.3.C.3, the Permittee shall compute and record the average VOC content of coatings applied during each calendar month for each affected facility, according to the equations provided in 40 CFR 60.463.

If each individual coating used has a VOC content, as received, that is equal to or less than 0.28 kg/ L of coating solids, the Permittee is in compliance provided no VOC's are added to the coatings during distribution or application.
[40 CFR 60.464(a) and 40 CFR 60.463(c)(1)]

6.2.C.2 The Permittee shall demonstrate compliance with Permit Condition 3.3.C.4 by following the applicable procedures in §63.5170. The Permittee must include all coating materials as defined in §63.5110 used in P358 when determining compliance with the applicable emission limit.
[40 CFR 63.5170]

6.2.C.3 For P358, the Permittee shall identify, record, and submit a written report to the Division every calendar quarter of each instance in which the volume-weighted average of the local mass of VOC's emitted to the atmosphere per volume of applied coating solids (N) is greater than the emission limit. If there are no instances have occurred during a particular quarter, a report stating this must be submitted to the Division semiannually.
[40 CFR 60.465(c)]

6.2.C.4 For P358, the Permittee shall determine the volume of coating and the mass of VOC-solvent added to coatings from company records on a monthly basis. If a common coating distribution system serves more than one affected facility or serves both affected and existing facilities, the owner or operator shall estimate the volume of coating used at each affected facility by using the average dry weight of coating and the surface area coated by each affected and existing facility or by other procedures acceptable to the Division.
[40 CFR 60.465(c)(1)]

6.2.C.5 The Permittee shall maintain records of all data and calculations used to determine monthly VOC emissions from P358 to determine the monthly emission limit.
[40 CFR 60.465(e)]

6.2.C.6 For P358, the Permittee must submit reports as specified in 40 CFR 63.5180(b) though (i) to the EPA Regional Office IV and Division.
[40 CFR 63.5180(a)]

6.2.C.7 For P358, the Permittee must maintain the records specified in 40 CFR 63.5190(a) and (b) in accordance with 40 CFR 63.10(b)(1).
[40 CFR 63.5190]

6.2.C.8 MC Plant shall maintain monthly records of the name and quantity of each lubricant used on Drawing Machine P332. MC Plant shall maintain material safety data sheets for each lubricant used. Records required by this permit condition shall be maintained in a suitable form and available for inspection and/or submittal upon Division request.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.C.9 The Permittee shall maintain the following records as they pertain to Parts Cleaning Unit P360 per burn duration:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

b. Burn duration in hours;

b. Total weight, in pounds, of coated parts before burn; and

c. Total weight, in pounds, of cleaned parts after burn.

6.2.C.10 The Permittee shall use the records required by Condition 6.2.C.9 to compute the weekly weight of plastic compound burned off in pounds. All calculations used for purposes of this condition shall be maintained as part of the records required by this condition.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.C.11 The Permittee shall maintain records of the type of coating on each part processed in Tooling Cleaning Unit P360 to demonstrate compliance with Permit Condition 3.2.C.2.

6.2.C.12 The Permittee shall maintain records (and supporting calculations) specifying the VOC content of each coating material utilized in the Printers P361through P380, expressed in pounds of VOC per gallon of coating, excluding water, delivered to the coating applicator. For purposes of this condition, the VOC content can be from the applicable material safety data sheets, from testing on each and every applicable coating with the appropriate EPA Reference Test methods, or through a mass balance approach-utilizing records of the VOC content of components and formulation of coatings applied by said printers. The requirements of this paragraph only apply if the Permittee is verifying compliance with the low solvent coating technology limit in Condition 3.4.C.5 using the compliance method specified in Condition 3.4.C.6a.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.C.13 If the Permittee shall maintain records (and supporting calculations) specifying the twenty-four hour weighted average of all coatings used in the Printers P361 through P380, expressed in pounds of VOC per gallon of coating solids delivered to the coating applicator. For purposes of this condition, the VOC content can be from the applicable material safety data sheets, from testing on each and every applicable coating with the appropriate EPA Reference Test methods, or through a mass balance approach-utilizing records of the VOC content of components and formulation of coatings applied by said printers. The requirements of this paragraph only apply if the Permittee is verifying compliance with the solids equivalent limit in Condition 3.4.C.5 using the compliance method specified in Condition 3.4.C.6b.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.C.14 The Permittee shall prepare and submit a compliance report for Printers P361 through P380 and associated items listed in 40 CFR 63.3882(b)(1) through (4) in accordance with the compliance report schedule established by Permit Condition 6.1.4. The information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. The compliance report must include general information as specified in this permit condition.
[40 CFR 63.3920(a)]

a. Company name and address.

b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

c. Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

d. Identification of the compliance option or options specified in 40 CFR 63.3891 that was used on each coating operation during the reporting period. If compliance options were switched between during the reporting period, the Permittee must report the beginning and ending dates for each option used.

e. If the Permittee used the emission rate without add-on controls compliance option (40 CFR 63.3891(b)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

f. If the predominant activity alternative (40 CFR 63.3890(c)(1)) was used, the Permittee must include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

g. If the facility-specific emission limit alternative (40 CFR 63.3890(c)(2)) was used, the Permittee must include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

h. If there were no deviations from the emission limitations in 40 CFR 63.3890, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

i. If the Permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

i. Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.

ii. The calculation of the organic HAP content (using Equation 2 of 40 CFR 63.3941) for each coating identified in paragraph 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports) is not needed.

iii. The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports) is not needed.

iv. A statement of the cause of each deviation.

j . If the Permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

i. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in 40 CFR 63.3890.

ii. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The Permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4). Submittal of background data supporting these calculations (*e.g.*, information provided by materials suppliers or manufacturers, or test reports) is not needed.

iii. A statement of the cause of each deviation.

6.2.C.15 The Permittee must collect and keep records of data and information for Printers P361 through P380 and associated items listed in 40 CFR 63.3882(b)(1) through (4). as specified in 40 CFR 63.3930. Failure to collect and keep such records is a deviation of the applicable standard. The following records shall be maintained.
[40 CFR 63.3930]

a. A copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart MMMM, and the documentation supporting each notification and report. If the Permittee is using the predominant activity alternative under 40 CFR 63.3890(c), the Permittee must keep records of the data and calculations used to determine the predominant activity. If the Permittee is using the facility-specific emission limit alternative under 40 CFR 63.3890(c), the Permittee must keep records of the data used to calculate the facility specific emission limit for the initial compliance demonstration. The Permittee must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports

b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the Permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report must be kept. If the Permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the summary sheet of results provided by the manufacturer or supplier must be kept. The Permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

c. For each compliance period, the following records are required:

i. A record of the coating operations on which the Permittee used each compliance option and the time periods (beginning and ending dates and times) for each option used.

ii. For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941.

iii. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951.

d. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If using the compliant material option for all coatings at the source, the Permittee may maintain purchase records for each material used rather than a record of the volume used.

e. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

f. A record of the volume fraction of coating solids for each coating used during each compliance period.

g. If using the emission rate without add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

h. If the Permittee uses an allowance in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), records of the information as specified below must be kept.

   i. The name and address of each TSDF to which the Permittee sent waste materials for which the Permittee shall use an allowance in Equation 1 of 40 CFR 63.3951; a statement of which subparts under 40 CFR 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

   ii. Identification of the coating operations producing waste materials included in each shipment and the month or months in which the Permittee used the allowance for these materials in Equation 1 of 40 CFR 63.3951.

   iii. The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

i. The Permittee shall keep records of the date, time, and duration of each deviation.

6.2.C.16 For P361 through P380, the Permittee shall keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR 63.10(b)(1). The Permittee may keep the records off-site for the remaining 3 years. [40 CFR 63.3931]

6.2.D Specific Record Keeping and Reporting Requirements [CRM]

6.2.D.1 The Permittee shall maintain the following monthly records:
[Avoidance of PSD – 40 CFR 52.21, 391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. The quantity of Non-Acid Pickling System (NAPS) Reagent consumed in the Rod Mill Quenching and Cooling System (Q467). This value shall be determined by measurements of the level of NAPS Reagent in the main storage tank and by recordings showing the additions of NAPS Reagent to the main storage tank.

b. The availability of the Rod Mill Shaft Furnace (F409). The availability shall be defined as the ratio of the hours that capture VOC is being burned in the Rod Mill Shaft Furnace (F409) to the hours of operation of the Rod Mill Quenching and Cooling System (Q467).

All calculations used to determine these parameters shall be kept as part of the record for that month

6.2.D.2 The Permittee shall use the records required in Condition 6.2.D.1 to calculate the total monthly VOC emissions (in tons) from the Rod Mill Shaft Furnace (F409), and the Rod Mill Quenching and Cooling System (Q467), combined. For purposes of this condition, the Permittee shall use the following equation to compute monthly VOC emissions:
[Avoidance of PSD – 40 CFR 52.21, 391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

VOC (tons/month) = (U)*(0.83)*{1-[(C/100)*(D/100)*AF]}*(1 ton/2000 lbs)

where,

U equals the mass of VOC used as determined in Condition 6.2.D.1;

0.83 equals a constant used to represent the weight percent VOCs not consumed in the rod pickling/cleaning process;

C equals the capture efficiency defined as the percentage of the total VOC emitted from the Rod Mill Quenching and Cooling System (Q467) that is exhausted to the Rod Mill Shaft Furnace (F409). For purposes of this Permit, the value for C is set at 83 percent unless otherwise specified by the Division;

D equals the VOC destruction efficiency of the Rod Mill Shaft Furnace (F409). For purposes of this Permit, the value of D is set at 95.8 percent, unless otherwise specified by the Division;

AF equals the availability of the Rod Mill Shaft Furnace (F409), as determined in Condition 6.2.D.1;

All calculations used to figure the total monthly VOC emissions (in tons) shall be kept as part of the record for that month.

6.2.D.3 The Permittee shall use the records required by Condition 6.2.D.2 to determine the twelve consecutive month total of VOC emissions (in tons) from the Rod Mill Shaft Furnace (F409) and the Rod Mill Quenching and Cooling System (Q467), combined, on a monthly basis. A twelve consecutive month total shall be the total for the month in question plus the totals for the previous eleven months.
[Avoidance of PSD – 40 CFR 52.21, 391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.D.4 Copper Rod Mill shall maintain monthly records of following parameters for Vertirod F476.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Charcoal/Graphite Usage in tons per month

6.2.D.5 Copper Rod Mill shall calculate the monthly VOC emissions from Vertirod F476 charcoal/graphite usage using the throughput records maintained in accordance with Condition 6.2.D.4 and the following emissions factor or the most recent emission factor approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Vertirod Charcoal/Graphite Usage VOC Emissions = 10 lb/ton input

6.2.D.6 Copper Rod Mill shall calculate the monthly PM_{10} and $PM_{2.5}$ emissions from Vertirod F476 charcoal/graphite usage using the throughput records maintained in accordance with Condition 6.2.D.4 and the following emissions factor or the most recent emission factor approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Vertirod Charcoal/Graphite Usage PM_{10} Emissions = 66 lb/ton input

b. Vertirod Charcoal/Graphite Usage $PM_{2.5}$ Emissions = 66 lb/ton input

6.2.D.7 Copper Rod Mill shall maintain monthly records of the name and quantity of each lubricant used on Drawing Machine P477. Copper Rod Mill shall maintain material safety data sheets for each lubricant used. Records required by this permit condition shall be maintained in a suitable form and available for inspection and/or submittal upon Division request.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E Specific Record Keeping and Reporting Requirements [UPP]

6.2.E.1 The Permittee shall, on each operating day, record the pressure drop across C001. In addition, the Permittee shall record the pressure drop of the filter upon replacement and record that value as the base reading. These records shall be kept in a form suitable for inspection or submittal to the Division.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.2 For purposes of verifying compliance with Condition 3.4.E.6, the Permittee shall maintain records specifying the VOC content of each coating material utilized in the paint booth (Source Code: P001), either expressed in pounds of VOC per gallon of coating, excluding water, delivered to the coating applicator or pounds of VOC per gallon of coating solids delivered to the coating applicator. For purposes of this condition, the VOC content can be from the applicable material safety data sheets, from testing on each and every applicable coating with the appropriate EPA Reference Test methods, or through a mass balance approach-utilizing records of the VOC content of components and formulation of coatings applied in said paint booth.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.E.3 If the Permittee chooses to comply with Condition 3.4.E.7b, the Permittee shall maintain the following records, as they pertain to paint booth (Source Code: P001):
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Daily usage records of all materials utilized containing VOCs, which include the total weight of each material and the VOC content of each material.

b. Use the daily usage records of Condition (a) to calculate the 24-hour weighted average of all coatings used on each coater either expressed in pounds of VOC per gallon of coating, excluding water, delivered to the coating applicator or pounds of VOC per gallon of coating solids delivered to the coating applicator.

6.2.E.4 The Permittee shall maintain the following records as they pertain to the Parts Cleaning Oven with Afterburner (emission unit ID No. P745) per burn duration:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Burn duration for PVC-coated parts in hours;

b. Total weight, in pounds, of PVC coated parts before burn; and

c. Total weight, in pounds, of PVC-coated parts cleaned after burn.

6.2.E.5 The Permittee shall use the records required by Condition 6.2.E.4 to compute and record HCl emissions per burn duration of PVC-coated parts. All calculations used for purposes of this condition shall be maintained as part of the records required by this condition. For purposes of this Permit, HCl emissions shall be computed as follows:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

HCl emissions (pounds/hour) = [A-B](Constant)(D)

Where A = Total weight, in lbs, of PVC coated parts before burn;

B = Total weight, in lbs, of clean parts after burn;

Constant = 0.313 lbs HCl/lb PVC

D = 1/burn duration, in hours

6.2.E.6 The Permittee shall use the records required by Condition 6.2.E.4 to compute the weekly calendar burn duration in hours of PVC-coated parts. All calculations used for purposes of this condition shall be maintained as part of the records required by this condition.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.7 The Permittee shall maintain monthly usage records of all materials utilized in Ink Application Systems P503, P506, P509, P512, P515, and P518 containing VOC. These records shall include the total weight of each material used, the weighed or calculated amount of waste material disposed, and the calculated amount of VOC contained in each material or waste (expressed as a weight percentage, or in lbs/gal).
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.8 The Permittee shall use the monthly usage records required in Condition 6.2.E.7 to calculate total monthly VOC emissions from the Ink Application Systems.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. VOC (lbs) = [material used (lbs) * (%weight VOC_i)] – [Containerized Waste (lbs) * Weighted Average VOC Content of Ink & Solvents]

6.2.E.9 The Permittee shall maintain records of monthly rod input for Drawing Machines P524, P525, and P526.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.10 The Pemittee shall calculate the monthly VOC emissions from Drawing Machines P524, P525, and P526 using the throughput records maintained in accordance with Condition 6.2.E.9 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Drawing Machine VOC Emissions = 0.03944 lb/ton input

6.2.E.11 The Permittee shall maintain records of monthly plastic throughput for Extruders P519 and P521.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.12 The Permittee shall calculate the monthly VOC emissions from Extruders P519, and P521 using the throughput records maintained in accordance with Condition 6.2.E.11 and the 2following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Moisture-Cured XLPE Extrusion VOC Emissions = 0.348 lb/ton plastic

b. Polyvinyl Chloride (PVC), Nylon, and Polyethylene Extrusion (PE) VOC Emissions = 0.0995 lb/ton plastic

6.2.E.13 The Permittee shall maintain records of monthly charge input for Annealing Furnace P523.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.14 The Permittee shall calculate the monthly VOC emissions from Annealing Furnace P523 using the charge throughput records maintained in accordance with Condition 6.2.E.13 and the following emissions factors or the most recent emission factors approved by the Division from performance testing required by Permit Condition 4.2.E.1:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Annealing Furnace VOC Emissions = 8.25×10^{-3} lb/ton charge

6.2.E.15 The Permittee shall maintain records of monthly insulation throughput for CV Extrusion Lines P501, P504, P507, P510, P513, and P516.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.16 The Permittee shall calculate the monthly VOC emissions from CV Extrusion Lines P501, P504, P507, P510, P513, and P516 using the throughput records maintained in accordance with Condition 6.2.E.15 and the following emissions factors or the most recent emission factors approved by the Division from performance testing:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. CV Extrusion VOC Emissions = 0.06 lb/ton insulation (when processing standard formulation on CV Extrusion Lines P501, P504, P507, P510, P513, and P516)

b. CV Extrusion VOC Emissions = 0.867 lb/lb silane + peroxide (when processing DPI formulation on CV Extrusion Lines P501 and P504)

6.2.E.17 The Permittee shall use the calculations required by Conditions 6.2.E.8, 6.2.E.10, 6.2.E.12, 6.2.E.14, and 6.2.E.16 to determine the twelve-month rolling total of VOC emissions from Drawing Machines P524, P525, and P526; CV Extrusion Lines P501, P504, P507, P510, P513, and P516; Plast6ic Extrusion Jacket Lines P519 and P521; Ink Application Systems P503, P506, P509, P512, P515, and P518; and Annealing Furnace P523 for each calendar month.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.18 The Permittee shall calculate the monthly individual HAP emissions from CV Extrusion Lines P501, P504, P507, P510, P513, and P516 using the throughput records maintained in accordance with Condition 6.2.E.15 and the following emissions factors or the most recent emission factors approved by the Division from performance testing:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. CV Extrusion Acetophenone Emissions = 0.0097 lb/ton insulation (when processing standard formulation on CV Extrusion Lines P501, P504, P507, P510, P513, and P516)

b. CV Extrusion Cumene Emissions = 0.00175 lb/ton insulation (when processing standard formulation on CV Extrusion Lines P501, P504, P507, P510, P513, and P516)

c. CV Extrusion Methanol Emissions = 0.376 lb/lb silane (when processing DPI formulation on CV Extrusion Lines P501 and P504)

6.2.E.19 The Permittee shall use the calculations required by Condition 6.2.E.18 to determine the twelve-month rolling total of individual and combined HAP emissions from CV Extrusion Lines P501, P504, P507, P510, P513, and P516 for each calendar month.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.20 The Permittee shall maintain the following records as they pertain to the Tool Cleaning Unit (Source Code: P786) per burn duration:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Type of coating on each polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated part;

b. Total weight, in pounds, of polyethylene-, cross-linked polyethylene-, polypropylene, and rubber-coated parts before cleaning;

c. Total weight, in pounds, of parts after cleaning; and

d. Total weight, in pounds, of residue cleaned from parts.

6.2.E.21 The Permittee shall use the records required in Permit Condition 6.2.E.20 to calculate total monthly weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P786). All demonstration calculations, including any Division-approved emission factor, used in the calculations, shall be kept as part of the records required in Condition 6.2.E.20. The Permittee shall notify the Division in writing if the total monthly weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P786) exceeds 346 pounds during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the operating limit in Permit Condition 3.2.E.6.
[391-3-1-.02(6)(b)1, 391-3-1.03(2)(c)]

6.2.E.22 The Permittee shall use the monthly weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts data required in Permit Condition 6.2.E.21 to calculate the 12-month rolling total weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P786) for each calendar month. The Permittee shall notify the Division in writing if the 12-month rolling total weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P786) exceeds 4,160 pounds. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain compliance with the operating limit in Condition No. 3.2.E.6.
[391-3-1-.02(6)(b)1, 391-3-1.03(2)(c)]

6.2.E.23 The Permittee shall prepare and submit a compliance report for Paint Booth P001 and associated items listed in 40 CFR 63.3882(b)(1) through (4) in accordance with the compliance report schedule established by Permit Condition 6.1.4. The information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. The compliance report must include general information as specified in this permit condition.
[40 CFR 63.3920(a)]

a. Company name and address.

b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

c. Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

d. Identification of the compliance option or options specified in 40 CFR 63.3891 that was used on each coating operation during the reporting period. If compliance options were switched between during the reporting period, the Permittee must report the beginning and ending dates for each option used.

e. If the Permittee used the emission rate without add-on controls compliance option (40 CFR 63.3891(c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

f. If the predominant activity alternative (40 CFR 63.3890(c)(1)) was used, the Permittee must include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

g. If the facility-specific emission limit alternative (40 CFR 63.3890(c)(2)) was used, the Permittee must include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

h. If there were no deviations from the emission limitations in 40 CFR 63.3890, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

i. If the Permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

i. Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.

ii. The calculation of the organic HAP content (using Equation 2 of 40 CFR 63.3941) for each coating identified in paragraph 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports) is not needed.

iii. The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports) is not needed.

iv. A statement of the cause of each deviation.

j . If the Permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

i. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in 40 CFR 63.3890.

ii. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The Permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4). Submittal of background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports) is not needed.

iii. A statement of the cause of each deviation.

6.2.E.24 The Permittee must collect and keep records of data and information for Paint Booth P001 and associated items listed in 40 CFR 63.3882(b)(1) through (4) as specified in 40 CFR 63.3930. Failure to collect and keep such records is a deviation of the applicable standard. The following records shall be maintained.
[40 CFR 63.3930]

a. A copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart MMMM, and the documentation supporting each notification and report. The Permittee shall keep records of the data and calculations used to determine the predominant activity.

b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the Permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report must be kept. If the Permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the summary sheet of results provided by the manufacturer or supplier must be kept. The Permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

c. For each compliance period, the following records are required:

i. A record of the coating operations on which the Permittee used each compliance option and the time periods (beginning and ending dates and times) for each option used.

ii. For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941.

iii. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951.

d. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If using the compliant material option for all coatings at the source, the Permittee may maintain purchase records for each material used rather than a record of the volume used.

e. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

f. A record of the volume fraction of coating solids for each coating used during each compliance period.

g. If using the emission rate without add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

h. If the Permittee uses an allowance in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), records of the information as specified below must be kept.

i. The name and address of each TSDF to which the Permittee sent waste materials for which the Permittee shall use an allowance in Equation 1 of 40 CFR 63.3951; a statement of which subparts under 40 CFR 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

ii. Identification of the coating operations producing waste materials included in each shipment and the month or months in which the Permittee used the allowance for these materials in Equation 1 of 40 CFR 63.3951.

iii. The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

iv. The Permittee shall keep records of the date, time, and duration of each deviation.

6.2.E.25 The Permittee shall keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR 63.10(b)(1). The Permittee may keep the records off-site for the remaining 3 years.
[40 CFR 63.3931]

6.2.E.26 Utility Products Plant shall maintain records of monthly moisture-cured XLPE throughput for Extrusion Lines P735, P741, P748, and P751.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.E.27 Utility Products Plant shall calculate the monthly VOC emissions from curing moisture-cured plastic extruded on Extrusion Lines P735, P741, P748, or P751 using the throughput records maintained in accordance with Condition 6.2.E.26 and the following emissions factors or the most recent emission factors approved by the Division:
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

a. Curing VOC Emissions = 1.15 lb/ton Moisture-Cured XLPE

6.2.E.28 The Permittee shall maintain the following records as they pertain to the Tool Cleaning Unit (Source Code: P527) per burn duration:
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Type of coating on each polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated part;

b. Total weight, in pounds, of polyethylene-, cross-linked polyethylene-, polypropylene, and rubber-coated parts before cleaning;

e. Total weight, in pounds, parts after cleaning; and

d. Total weight, in pounds of residue cleaned from parts.

6.2.E.29 The Permittee shall use the records required in Permit Condition 6.2.E.28 to calculate total monthly weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P527). All demonstration calculations, including any Division-approved emission factor, used in the calculations, shall be kept as part of the records required in Condition 6.2.E.28. The Permittee shall notify the Division in writing if the total monthly weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P527) exceeds 346 pounds during any calendar month. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to maintain compliance with the operating limit in Permit Condition 3.2.E.8.
[391-3-1-.02(6)(b)1, 391-3-1.03(2)(c)]

6.2.E.30 The Permittee shall use the monthly weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts data required in Permit Condition 6.2.E.29 to calculate the 12-month rolling total weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P527) for each calendar month. The Permittee shall notify the Division in writing if the 12-month rolling total weight in pounds of residue cleaned from polyethylene-, cross-linked polyethylene-, polypropylene-, and rubber-coated parts in the Tool Cleaning Unit (Source Code: P527) exceeds 4,160 pounds. This notification shall be postmarked by the fifteenth day of the following month and shall include an explanation of how the Permittee intends to attain compliance with the operating limit in Condition No. 3.2.E.8.
[391-3-1-.02(6)(b)1, 391-3-1.03(2)(c)]

6.2.F Specific Record Keeping and Reporting Requirements [MSG]

6.2.F.1 The Permittee shall, each operating day, record the pressure drop across each device, C305, C306, C307, C308, C16A, and C16B. In addition, the Permittee shall record the pressure drop of each of these filters upon replacement and record that value as the base reading. These records shall be kept in a form suitable for inspection or submittal to the Division.
[391-3-1-.02(6)(b)1. and 40 CFR 70.6(a)(3)(i)]

6.2.F.2 The Permittee shall maintain records (and supporting calculations) specifying the VOC content of each coating material utilized in the paint booth (Emission Unit P316), expressed in pounds of VOC per gallon of coating, excluding water, delivered to the coating applicator. For purposes of this condition, the VOC content can be from the applicable material safety data sheets, from testing on each and every applicable coating with the appropriate EPA Reference Test methods, or through a mass balance approach-utilizing records of the VOC content of components and formulation of coatings applied in said paint booths. The requirements of this paragraph only apply if the Permittee is verifying compliance with the low solvent coating technology limit in Condition 3.4.F.3 using the compliance method specified in Condition 3.4.F.4a.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.F.3 If the Permittee shall maintain records (and supporting calculations) specifying the twenty-four hour weighted average of all coatings used in the paint booth (Emission Unit P316), expressed in pounds of VOC per gallon of coating solids delivered to the coating applicator. For purposes of this condition, the VOC content can be from the applicable material safety data sheets, from testing on each and every applicable coating with the appropriate EPA Reference Test methods, or through a mass balance approach-utilizing records of the VOC content of components and formulation of coatings applied in said paint booths. The requirements of this paragraph only apply if the Permittee is verifying compliance with the solids equivalent limit in Condition 3.4.F.3 using the compliance method specified in Condition 3.4.F.4b.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.F.4 The Permittee shall prepare and submit a compliance report for Paint Booth P316 and associated items listed in 40 CFR 63.3882(b)(1) through (4) in accordance with the compliance report schedule established by Permit Condition 6.1.4. The information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. The compliance report must include general information as specified in this permit condition.
[40 CFR 63.3920(a)]

a. Company name and address.

b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

c. Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

d. Identification of the compliance option or options specified in 40 CFR 63.3891 that was used on each coating operation during the reporting period. If compliance options were switched between during the reporting period, the Permittee must report the beginning and ending dates for each option used.

e. If the Permittee used the emission rate without add-on controls compliance option (40 CFR 63.3891(b)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

f. If the predominant activity alternative (40 CFR 63.3890(c)(1)) was used, the Permitee must include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

g. If the facility-specific emission limit alternative (40 CFR 63.3890(c)(2)) was used, the Permittee must include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

h. If there were no deviations from the emission limitations in 40 CFR 63.3890, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

i. If the Permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

   i. Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.

   ii. The calculation of the organic HAP content (using Equation 2 of 40 CFR 63.3941) for each coating identified in paragraph 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports) is not needed.

   iii. The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports) is not needed.

   iv. A statement of the cause of each deviation.

j . If the Permitttee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

i. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in 40 CFR 63.3890.

ii. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The Permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4). Submittal of background data supporting these calculations (*e.g.,* information provided by materials suppliers or manufacturers, or test reports) is not needed.

iii. A statement of the cause of each deviation.

6.2.F.5 The Permittee must collect and keep records of data and information for Paint Booth P316 and associated items listed in 40 CFR 63.3882(b)(1) through (4) as specified in 40 CFR 63.3930. Failure to collect and keep such records is a deviation of the applicable standard. The following records shall be maintained.
[40 CFR 63.3930]

a. A copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart MMMM, and the documentation supporting each notification and report. If the Permittee is using the predominant activity alternative under § 63.3890(c), the Permittee must keep records of the data and calculations used to determine the predominant activity. If the Permittee is using the facility-specific emission limit alternative under § 63.3890(c), the Permittee must keep records of the data used to calculate the facility specific emission limit for the initial compliance demonstration. The Permittee must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports

b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the Permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report must be kept. If the Permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the summary sheet of results provided by the manufacturer or supplier must be kept. The Permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

c. For each compliance period, the following records are required:

i. A record of the coating operations on which the Permittee used each compliance option and the time periods (beginning and ending dates and times) for each option used.

ii. For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941.

iii. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951.

d. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If using the compliant material option for all coatings at the source, the Permittee may maintain purchase records for each material used rather than a record of the volume used.

e. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

f. A record of the volume fraction of coating solids for each coating used during each compliance period.

g. If using the emission rate without add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

h. If the Permittee uses an allowance in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), records of the information as specified below must be kept.

i. The name and address of each TSDF to which the Permittee sent waste materials for which the Permittee shall use an allowance in Equation 1 of 40 CFR 63.3951; a statement of which subparts under 40 CFR 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

ii. Identification of the coating operations producing waste materials included in each shipment and the month or months in which the Permittee used the allowance for these materials in Equation 1 of 40 CFR 63.3951.

iii. The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

i. The Permittee shall keep records of the date, time, and duration of each deviation.

6.2.F.6 The Permittee shall keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR 63.10(b)(1). The Permittee may keep the records off-site for the remaining 3 years.
[40 CFR 63.3931]

6.2.G Specific Record Keeping and Reporting Requirements [CTC]

6.2.G.1 The Permittee shall maintain records of the date of all flame tests conducted in Chambers P910, P912 and P913.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.G.2 The Permittee shall use the records required by Condition 6.2.G.1 to determine and record the twelve month rolling total of flame tests for each month for Chambers P910, P912, and P913 in the reporting period. Each 12 month rolling total shall be included in the semiannual report specified in Condition 6.1.4.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.G.3 The Permittee shall maintain records of the date of all fire tests conducted in the Fire Test Chamber (P951).
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.G.4 The Permittee shall use the records required by Condition 6.2.G.3 to determine and record the twelve month rolling total of fire tests for each month in the reporting period. Each 12 month rolling total shall be included in the semiannual report specified in Condition 6.1.4.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.G.5 The Permittee shall submit notification to the Division within thirty (30) days of the construction and startup of Scrubber C912 and the implementation of Cofer Operating Scenario 2.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.G.6 The Permittee shall maintain the following records on-site for each tune-up for Boiler P911conducted per Condition 5.2.G.5 and submit, if requested by the Director, an annual (or other period) report containing the following information:
[40 CFR 63.7540(a)(10)(vi)]

a. The unit and date of the tune-up.

b. The CO concentration, ppmv, and O_2 % in the effluent stream measured at high firing rate or typical operating load before and after the tune-up of the boiler.

c. A description of any corrective actions taken as part of the tune-up.

6.2.G.7 Periodic compliance reports are required for Boiler P911. The compliance reports are due as follows:
[40 CFR 63.7550 (b) and (c), Table 9 to Subpart DDDDD]

a. For compliance reports:
[40 CFR 63.7550(b)(3),(4)]

i. Semi-annual reports shall cover the reporting period from January 1 through June 30 or from July 1 through December 31 and be postmarked no later than July 31 or January 31, whichever is the first date following the end of the semi-annual reporting period.

ii. Five-year reports, including the reports required by tune-up requirements, per Condition 3.3.G.3, shall cover the corresponding applicable reporting period from January 1 through December 31, and be postmarked no later than January 31 following the end of the reporting period.

b. In lieu of the compliance schedule included in Permit Condition 6.2.G.7 a., the Permittee may submit the required compliance report according to the reporting schedule as specified in Permit Condition 6.1.4.
[40 CFR 63.7550(b)(5)]

6.2.H Specific Record Keeping and Reporting Requirements [CEM]

6.2.H.1 The Permittee shall maintain the following monthly records:
[391-3-1-.03(10)(d)1(i), 40 CFR 60.4245, and 40 CFR 70.6(a)(3)(II)(B)]

a. Monthly hours of operation of Waukesha Engine P804.

b. Monthly hours of operation of Waukesha Engine P805.

c. Monthly hours of operation of Waukesha Engine P806.

d. Monthly hours of operation of ITS Generator P807 and storm water engine P813.

e. The purpose of operation of ITS Generator (emission unit ID No. P807) for each hour of operation.

6.2.H.2 The Permittee must submit all of the notifications required by §63.7(b) and (c), §63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply by the dates specified for Waukesha Engine P804, Waukesha Engine P805, and Waukesha Engine P806.
[40 CFR 63.6645(a)]

6.2.H.3 The Permittee must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in §63.7(b)(1) for Waukesha Engine P804, Waukesha Engine P805, and Waukesha Engine P806.
[40 CFR 63.6645(g)]

6.2.H.4 The Permittee must submit a Notification of Compliance Status according to §63.9(h)(2)(ii) for Waukesha Engine P804, Waukesha Engine P805, and Waukesha Engine P806. For each initial compliance demonstration required in Table 5 of 40 CFR 63, Subpart ZZZZ that does not include a performance test, the Permittee must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration. For each initial compliance demonstration required in Table 5 of 40 CFR 63, Subpart ZZZZ that includes a performance test conducted according to the requirements in Table 4 of 40 CFR 63, Subpart ZZZZ, the Permittee must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to 40 CFR 63.10(d)(2).
[40 CFR 63.6645(h)]

6.2.H.5 The Permittee must keep the records described in paragraphs (a)(1) through (a)(3), (b)(1) through (b)(3) of §63.6655 for Waukesha Engine P804, Waukesha Engine P805, and Waukesha Engine P806. The Permittee must also keep the records required in Table 6 of 40 CFR 63, Subpart ZZZZ to show continuous compliance with each applicable emission or operating limitation.
[40 CFR 63.6655(a) and 40 CFR 63.6655(d)]

6.2.H.6 The Permittee's records required by Permit Condition 6.2.H.5 must be in a form suitable and readily available for expeditious review according to §63.10(b)(1) for Waukesha Engine P804, Waukesha Engine P805, and Waukesha Engine P806. As specified in §63.10(b)(1), the Permittee must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record readily accessible in hard copy or electronic form on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1). The Permittee can keep the records off-site for the remaining 3 years.
[40 CFR 63.6660]

6.2.H.7 The Permittee shall verify that each shipment of fuel oil received for combustion in emission unit P807 contains no more than 0.0015 percent sulfur by weight by obtaining fuel supplier certifications. The supplier certification shall contain the name of the supplier and a statement from the supplier that the sulfur content of the fuel oil, as determined by any appropriate method specified in Condition 4.1.3, does not exceed 0.0015 percent by weight.
[391-3-1-.02(6)(b)1, 40 CFR 70.6(a)(3)(i), and 40 CFR 60 Subpart IIII]

6.2.H.8 The Permittee shall keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate Waukesha Engines P804, P805, and P806 in a manner consistent with good air pollution control practice for minimizing emissions.
[40 CFR 60.4243(c), 40 CFR 60.4243(b)(ii)]

6.2.H.9 The Permittee shall keep records of the following information for Waukesha Engines P804, P805, and P806:
[40 CFR 60.4245(a)]

a. All notifications submitted to comply with 40 CFR 60, Subpart JJJJ and all documentation supporting any notification.

b. Maintenance conducted on the engine.

c. Documentation that the engine meets the emission standards.

6.2.H.10 The Permittee shall submit a copy to the Division of each performance test as conducted in accordance with 40 CFR 60.4244 within 60 days after the test has been completed.
[40 CFR 60.4245(c)]

6.2.H.11 The Permittee shall keep records of conducted maintenance for Engines P808, P810, P811, P817 and P818, and must operate and maintain engines according to the manufacturer's emission-related written instructions or develop a maintenance plan that provides to the extent practicable for the maintenance and operation of the engines in a manner consistent with good air pollution control practice for minimizing emissions.
[40 CFR 63.6625]

6.2.H.12 The Permittee shall keep records of the hours of operation of Engines P808, P809, P810, P811, P817 and P818 that is recorded through the non-resettable hour meter. The Permittee shall document the following:
[40 CFR 63.6655(f)]

a. Number of hours operated for emergency operation, including what classified the operation as emergency

b. Number of hours operated for non-emergency operation.

6.2.H.13 The Permittee shall demonstrate compliance with the emission limits for P807 as specified in 40 CFR 60 Subpart IIII by purchasing an engine certified to the emission standards in 40 CFR 60 Subpart IIII, for the same model year and maximum engine power. The engine must be installed and configured according to the manufacturer's specifications. These records shall be maintained in a format suitable for inspection or submittal.
[40 CFR 60.4211(c)]

6.2.I Specific Record Keeping and Reporting Requirements [TAP]

6.2.I.1 For purposes of verifying compliance with Condition 3.4.I.3, the Permittee shall maintain records specifying the VOC content of each coating material utilized in blade coating (Source Code: P970), either expressed in pounds of VOC per gallon of coating, excluding water, delivered to the coating applicator or pounds of VOC per gallon of coating solids delivered to the coating applicator. For purposes of this condition, the VOC content can be from the applicable material safety data sheets, from testing on each and every applicable coating with the appropriate EPA Reference Test methods, or through a mass balance approach-utilizing records of the VOC content of components and formulation of coatings applied in said blade coating operation.
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

6.2.I.2 If the Permittee chooses to comply with Condition 3.4.I.4b, the Permittee shall maintain the following records, as they pertain to blade coating (Source Code: P970):
[391-3-1-.02(6)(b)1 and 40 CFR 70.6(a)(3)(i)]

a. Daily usage records of all materials utilized containing VOCs, which include the total weight of each material and the VOC content of each material.

b. Use the daily usage records of Condition (a) to calculate the 24-hour weighted average of all coatings used on each coater either expressed in pounds of VOC per gallon of coating, excluding water, delivered to the coating applicator or pounds of VOC per gallon of coating solids delivered to the coating applicator.

6.2.I.3 The Permittee shall prepare and submit a compliance report for Blade Coating P790 and associated items listed in 40 CFR 63.3882(b)(1) through (4) in accordance with the compliance report schedule established by Permit Condition 6.1.4. The information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation. The compliance report must include general information as specified in this permit condition.
[40 CFR 63.3920(a)]

a. Company name and address.

b. Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

c. Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

d. Identification of the compliance option or options specified in 40 CFR 63.3891 that was used on each coating operation during the reporting period. If compliance options were switched between during the reporting period, the Permittee must report the beginning and ending dates for each option used.

e. If the Permittee used the emission rate without add-on controls compliance option (40 CFR 63.3891(c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

f. If the predominant activity alternative (40 CFR 63.3890(c)(1)) was used, the Permittee must include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

g. If the facility-specific emission limit alternative (40 CFR 63.3890(c)(2)) was used, the Permittee must include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

h. If there were no deviations from the emission limitations in 40 CFR 63.3890, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period.

i. If the Permittee used the compliant material option and there was a deviation from the applicable organic HAP content requirements in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

   i. Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.

   ii. The calculation of the organic HAP content (using Equation 2 of 40 CFR 63.3941) for each coating identified in paragraph 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports) is not needed.

   iii. The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in 40 CFR 63.3920(a)(5)(i). Submittal of background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports) is not needed.

   iv. A statement of the cause of each deviation.

j . If the Permittee used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in 40 CFR 63.3890, the semiannual compliance report must contain the following information.

i. The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in 40 CFR 63.3890.

ii. The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. The Permittee must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of 40 CFR 63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4). Submittal of background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports) is not needed.

iii. A statement of the cause of each deviation.

6.2.I.4 The Permittee must collect and keep records of data and information for Blade Coating P970 and associated items listed in 40 CFR 63.3882(b)(1) through (4) as specified in 40 CFR 63.3930. Failure to collect and keep such records is a deviation of the applicable standard. The following records shall be maintained.
[40 CFR 63.3930]

a. A copy of each notification and report that was submitted to comply with 40 CFR 63, Subpart MMMM, and the documentation supporting each notification and report. The Permittee shall keep records of the data and calculations used to determine the predominant activity.

b. A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If the Permittee conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, a copy of the complete test report must be kept. If the Permittee uses information provided by the manufacturer or supplier of the material that was based on testing, the summary sheet of results provided by the manufacturer or supplier must be kept. The Permittee is not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

c. For each compliance period, the following records are required:

i. A record of the coating operations on which the Permittee used each compliance option and the time periods (beginning and ending dates and times) for each option used.

ii. For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of 40 CFR 63.3941.

iii. For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of 40 CFR 63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to 40 CFR 63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of 40 CFR 63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of 40 CFR 63.3951.

d. A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If using the compliant material option for all coatings at the source, the Permittee may maintain purchase records for each material used rather than a record of the volume used.

e. A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

f. A record of the volume fraction of coating solids for each coating used during each compliance period.

g. If using the emission rate without add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

h. If the Permittee uses an allowance in Equation 1 of 40 CFR 63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to 40 CFR 63.3951(e)(4), records of the information as specified below must be kept.

i. The name and address of each TSDF to which the Permittee sent waste materials for which the Permittee shall use an allowance in Equation 1 of 40 CFR 63.3951; a statement of which subparts under 40 CFR 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

ii. Identification of the coating operations producing waste materials included in each shipment and the month or months in which the Permittee used the allowance for these materials in Equation 1 of 40 CFR 63.3951.

iii. The methodology used in accordance with 40 CFR 63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

iv. The Permittee shall keep records of the date, time, and duration of each deviation.

6.2.I.5 The Permittee shall keep records in a form suitable and readily available for expeditious review, according to 40 CFR 63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database. As specified in 40 CFR 63.10(b)(1), the Permittee shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record. The Permittee must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to 40 CFR 63.10(b)(1). The Permittee may keep the records off-site for the remaining 3 years.
[40 CFR 63.3931]

PART 7.0 OTHER SPECIFIC REQUIREMENTS

7.1 Operational Flexibility

7.1.1 The Permittee may make Section 502(b)(10) changes as defined in 40 CFR 70.2 without requiring a Permit revision, if the changes are not modifications under any provisions of Title I of the Federal Act and the changes do not exceed the emissions allowable under the Permit (whether expressed therein as a rate of emissions or in terms of total emissions). For each such change, the Permittee shall provide the Division and the EPA with written notification as required below in advance of the proposed changes and shall obtain any Permits required under Rules 391-3-1-.03(1) and (2). The Permittee and the Division shall attach each such notice to their copy of this Permit.
[391-3-1-.03(10)(b)5 and 40 CFR 70.4(b)(12)(i)]

a. For each such change, the Permittee's written notification and application for a construction Permit shall be submitted well in advance of any critical date (typically at least 3 months in advance of any commencement of construction, Permit issuance date, etc.) involved in the change, but no less than seven (7) days in advance of such change and shall include a brief description of the change within the Permitted facility, the date on which the change is proposed to occur, any change in emissions, and any Permit term or condition that is no longer applicable as a result of the change.

b. The Permit shield described in Condition 8.16.1 shall not apply to any change made pursuant to this condition.

7.2 Off-Permit Changes

7.2.1 The Permittee may make changes that are not addressed or prohibited by this Permit, other than those described in Condition 7.2.2 below, without a Permit revision, provided the following requirements are met:
[391-3-1-.03(10)(b)6 and 40 CFR 70.4(b)(14)]

a. Each such change shall meet all applicable requirements and shall not violate any existing Permit term or condition.

b. The Permittee must provide contemporaneous written notice to the Division and to the EPA of each such change, except for changes that qualify as insignificant under Rule 391-3-1-.03(10)(g). Such written notice shall describe each such change, including the date, any change in emissions, pollutants emitted, and any applicable requirement that would apply as a result of the change.

c. The change shall not qualify for the Permit shield in Condition 8.16.1.

d. The Permittee shall keep a record describing changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the Permit, and the emissions resulting from those changes.

7.2.2 The Permittee shall not make, without a Permit revision, any changes that are not addressed or prohibited by this Permit, if such changes are subject to any requirements under Title IV of the Federal Act or are modifications under any provision of Title I of the Federal Act. [Rule 391-3-1-.03(10)(b)7 and 40 CFR 70.4(b)(15)]

7.3 Alternative Requirements
[White Paper #2]

Not Applicable.

7.4 Insignificant Activities
(see Attachment B for the list of Insignificant Activities in existence at the facility at the time of permit issuance)

7.5 Temporary Sources
[391-3-1-.03(10)(d)5 and 40 CFR 70.6(e)]

Not Applicable.

7.6 Short-term Activities
(see Form D5 "Short Term Activities" of the Permit application and White Paper #1)

Not Applicable.

7.7 Compliance Schedule/Progress Reports
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(4)]

None applicable.

7.8 Emissions Trading
[391-3-1-.03(10)(d)1(ii) and 40 CFR 70.6(a)(10)]

Not Applicable.

7.9 Acid Rain Requirements

Not Applicable.

7.10 Prevention of Accidental Releases (Section 112(r) of the 1990 CAAA)
[391-3-1-.02(10)]

7.10.1 When and if the requirements of 40 CFR Part 68 become applicable, the Permittee shall comply with all applicable requirements of 40 CFR Part 68, including the following.

a. The Permittee shall submit a Risk Management Plan (RMP) as provided in 40 CFR 68.150 through 68.185. The RMP shall include a registration that reflects all covered processes.

b. For processes eligible for Program 1, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a. and the following additional requirements:

i. Analyze the worst-case release scenario for the process(es), as provided in 40 CFR 68.25; document that the nearest public receptor is beyond the distance to a toxic or flammable endpoint defined in 40 CFR 68.22(a); and submit in the RMP the worst-case release scenario as provided in 40 CFR 68.165.
ii. Complete the five-year accident history for the process as provided in 40 CFR 68.42 and submit in the RMP as provided in 40 CFR 68.168
iii. Ensure that response actions have been coordinated with local emergency planning and response agencies
iv. Include a certification in the RMP as specified in 40 CFR 68.12(b)(4)

c. For processes subject to Program 2, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:

i. Develop and implement a management system as provided in 40 CFR 68.15
ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
iii. Implement the Program 2 prevention steps provided in 40 CFR 68.48 through 68.60 or implement the Program 3 prevention steps provided in 40 CFR 68.65 through 68.87
iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
v. Submit as part of the RMP the data on prevention program elements for Program 2 processes as provided in 40 CFR 68.170

d. For processes subject to Program 3, as provided in 40 CFR 68.10, the Permittee shall comply with 7.10.1.a., 7.10.1.b. and the following additional requirements:

i. Develop and implement a management system as provided in 40 CFR 68.15
ii. Conduct a hazard assessment as provided in 40 CFR 68.20 through 68.42
iii. Implement the prevention requirements of 40 CFR 68.65 through 68.87
iv. Develop and implement an emergency response program as provided in 40 CFR 68.90 through 68.95
v. Submit as part of the RMP the data on prevention program elements for Program 3 as provided in 40 CFR 68.175

e. All reports and notification required by 40 CFR Part 68 must be submitted electronically using RMP*eSubmit (information for establishing an account can be found at www.epa.gov/rmp/rmpesubmit). Electronic Signature Agreements should be mailed to:

MAIL

Risk Management Program (RMP) Reporting Center
P.O. Box 10162
Fairfax, VA 22038

COURIER & FEDEX

Risk Management Program (RMP) Reporting Center
CGI Federal
12601 Fair Lakes Circle
Fairfax, VA 22033

Compliance with all requirements of this condition, including the registration and submission of the RMP, shall be included as part of the compliance certification submitted in accordance with Condition 8.14.1.

7.11 Stratospheric Ozone Protection Requirements (Title VI of the CAAA of 1990)

7.11.1 If the Permittee performs any of the activities described below or as otherwise defined in 40 CFR Part 82, the Permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners (MVACs) in Subpart B:

a. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

b. Equipment used during the maintenance, service, repair, or disposal of appliance must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

c. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

d. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with record keeping requirements pursuant to 40 CFR 82.166.
[Note: “MVAC-like appliance” is defined in 40 CFR 82.152.]

e. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156.

f. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.

7.11.2 If the Permittee performs a service on motor (fleet) vehicles and if this service involves an ozone-depleting substance (refrigerant) in the MVAC, the Permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include air-tight sealed refrigeration systems used for refrigerated cargo, or air conditioning systems on passenger buses using HCFC-22 refrigerant.

7.12 Revocation of Existing Permits and Amendments

The following Air Quality Permits, Amendments, and 502(b)10 are subsumed by this permit and are hereby revoked:

Air Quality Permit and Amendment Number(s)	Dates of Original Permit or Amendment Issuance
3357-045-0008-V-04-0	March 28, 2012
3357-045-0008-V-04-1	December 4, 2012
3357-045-0008-V-04-2	November 26, 2013
3357-045-0008-V-04-3	August 11, 2014
3357-045-0008-V-04-4	June 21, 2015
3357-045-0008-V-04-5	September 4, 2015

7.13 Pollution Prevention

None applicable.

7.14 Specific Conditions

None applicable.

PART 8.0 GENERAL PROVISIONS

8.1 Terms and References

8.1.1 Terms not otherwise defined in the Permit shall have the meaning assigned to such terms in the referenced regulation.

8.1.2 Where more than one condition in this Permit applies to an emission unit and/or the entire facility, each condition shall apply and the most stringent condition shall take precedence. [391-3-1-.02(2)(a)2]

8.2 EPA Authorities

8.2.1 Except as identified as "State-only enforceable" requirements in this Permit, all terms and conditions contained herein shall be enforceable by the EPA and citizens under the Clean Air Act, as amended, 42 U.S.C. 7401, et seq.
[40 CFR 70.6(b)(1)]

8.2.2 Nothing in this Permit shall alter or affect the authority of the EPA to obtain information pursuant to 42 U.S.C. 7414, "Inspections, Monitoring, and Entry."
[40 CFR 70.6(f)(3)(iv)]

8.2.3 Nothing in this Permit shall alter or affect the authority of the EPA to impose emergency orders pursuant to 42 U.S.C. 7603, "Emergency Powers."
[40 CFR 70.6(f)(3)(i)]

8.3 Duty to Comply

8.3.1 The Permittee shall comply with all conditions of this operating Permit. Any Permit noncompliance constitutes a violation of the Federal Clean Air Act and the Georgia Air Quality Act and/or State rules and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application. Any noncompliance with a Permit condition specifically designated as enforceable only by the State constitutes a violation of the Georgia Air Quality Act and/or State rules only and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a Permit renewal application.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(i)]

8.3.2 The Permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the Permitted activity in order to maintain compliance with the conditions of this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(ii)]

8.3.3 Nothing in this Permit shall alter or affect the liability of the Permittee for any violation of applicable requirements prior to or at the time of Permit issuance.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(f)(3)(ii)]

8.3.4 Issuance of this Permit does not relieve the Permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Director or any other federal, state, or local agency.
[391-3-1-.03(10)(e)1(iv) and 40 CFR 70.7(a)(6)]

8.4 Fee Assessment and Payment

8.4.1 The Permittee shall calculate and pay an annual Permit fee to the Division. The amount of fee shall be determined each year in accordance with the "Procedures for Calculating Air Permit Fees."
[391-3-1-.03(9)]

8.5 Permit Renewal and Expiration

8.5.1 This Permit shall remain in effect for five (5) years from the issuance date. The Permit shall become null and void after the expiration date unless a timely and complete renewal application has been submitted to the Division at least six (6) months, but no more than eighteen (18) months prior to the expiration date of the Permit.
[391-3-1-.03(10)(d)1(i), (e)2, and (e)3(ii) and 40 CFR 70.5(a)(1)(iii)]

8.5.2 Permits being renewed are subject to the same procedural requirements, including those for public participation and affected State and EPA review, that apply to initial Permit issuance.
[391-3-1-.03(10)(e)3(i)]

8.5.3 Notwithstanding the provisions in 8.5.1 above, if the Division has received a timely and complete application for renewal, deemed it administratively complete, and failed to reissue the Permit for reasons other than cause, authorization to operate shall continue beyond the expiration date to the point of Permit modification, reissuance, or revocation.
[391-3-1-.03(10)(e)3(iii)]

8.6 Transfer of Ownership or Operation

8.6.1 This Permit is not transferable by the Permittee. Future owners and operators shall obtain a new Permit from the Director. The new Permit may be processed as an administrative amendment if no other change in this Permit is necessary, and provided that a written agreement containing a specific date for transfer of Permit responsibility coverage and liability between the current and new Permittee has been submitted to the Division at least thirty (30) days in advance of the transfer.
[391-3-1-.03(4)]

8.7 Property Rights

8.7.1 This Permit shall not convey property rights of any sort, or any exclusive privileges.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iv)]

8.8 Submissions

8.8.1 Reports, test data, monitoring data, notifications, annual certifications, and requests for revision and renewal shall be submitted to:

Georgia Department of Natural Resources
Environmental Protection Division
Air Protection Branch
Atlanta Tradeport, Suite 120
4244 International Parkway
Atlanta, Georgia 30354-3908

8.8.2 Any records, compliance certifications, and monitoring data required by the provisions in this Permit to be submitted to the EPA shall be sent to:

Air and EPCRA Enforcement Branch – U. S. EPA Region 4
Sam Nunn Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303-3104

8.8.3 Any application form, report, or compliance certification submitted pursuant to this Permit shall contain a certification by a responsible official of its truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
[391-3-1-.03(10)(c)2, 40 CFR 70.5(d) and 40 CFR 70.6(c)(1)]

8.8.4 Unless otherwise specified, all submissions under this permit shall be submitted to the Division only.

8.9 Duty to Provide Information

8.9.1 The Permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the Permit application, shall promptly submit such supplementary facts or corrected information to the Division.
[391-3-1-.03(10)(c)5]

8.9.2 The Permittee shall furnish to the Division, in writing, information that the Division may request to determine whether cause exists for modifying, revoking and reissuing, or terminating the Permit, or to determine compliance with the Permit. Upon request, the Permittee shall also furnish to the Division copies of records that the Permittee is required to keep by this Permit or, for information claimed to be confidential, the Permittee may furnish such records directly to the EPA, if necessary, along with a claim of confidentiality.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(v)]

8.10 Modifications

8.10.1 Prior to any source commencing a modification as defined in 391-3-1-.01(pp) that may result in air pollution and not exempted by 391-3-1-.03(6), the Permittee shall submit a Permit application to the Division. The application shall be submitted sufficiently in advance of any critical date involved to allow adequate time for review, discussion, or revision of plans, if necessary. Such application shall include, but not be limited to, information describing the precise nature of the change, modifications to any emission control system, production capacity of the plant before and after the change, and the anticipated completion date of the change. The application shall be in the form of a Georgia air quality Permit application to construct or modify (otherwise known as a SIP application) and shall be submitted on forms supplied by the Division, unless otherwise notified by the Division.
[391-3-1-.03(1) through (8)]

8.11 Permit Revision, Revocation, Reopening and Termination

8.11.1 This Permit may be revised, revoked, reopened and reissued, or terminated for cause by the Director. The Permit will be reopened for cause and revised accordingly under the following circumstances:
[391-3-1-.03(10)(d)1(i)]

a. If additional applicable requirements become applicable to the source and the remaining Permit term is three (3) or more years. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if the effective date of the requirement is later than the date on which the Permit is due to expire, unless the original permit or any of its terms and conditions has been extended under Condition 8.5.3;
[391-3-1-.03(10)(e)6(i)(I)]

b. If any additional applicable requirements of the Acid Rain Program become applicable to the source;
[391-3-1-.03(10)(e)6(i)(II)] (Acid Rain sources only)

c. The Director determines that the Permit contains a material mistake or inaccurate statements were made in establishing the emissions standards or other terms or conditions of the Permit; or
[391-3-1-.03(10)(e)6(i)(III) and 40 CFR 70.7(f)(1)(iii)]

d. The Director determines that the Permit must be revised or revoked to assure compliance with the applicable requirements.
[391-3-1-.03(10)(e)6(i)(IV) and 40 CFR 70.7(f)(1)(iv)]

8.11.2 Proceedings to reopen and reissue a Permit shall follow the same procedures as applicable to initial Permit issuance and shall affect only those parts of the Permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable.
[391-3-1-.03(10)(e)6(ii)]

8.11.3 Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Director at least thirty (30) days in advance of the date the Permit is to be reopened, except that the Director may provide a shorter time period in the case of an emergency.
[391-3-1-.03(10)(e)6(iii)]

8.11.4 All Permit conditions remain in effect until such time as the Director takes final action. The filing of a request by the Permittee for any Permit revision, revocation, reissuance, or termination, or of a notification of planned changes or anticipated noncompliance, shall not stay any Permit condition.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(6)(iii)]

8.11.5 A Permit revision shall not be required for changes that are explicitly authorized by the conditions of this Permit.

8.11.6 A Permit revision shall not be required for changes that are part of an approved economic incentive, marketable Permit, emission trading, or other similar program or process for change which is specifically provided for in this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(8)]

8.12 Severability

8.12.1 Any condition or portion of this Permit which is challenged, becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this Permit.
[391-3-1-.03(10)(d)1(i) and 40 CFR 70.6(a)(5)]

8.13 Excess Emissions Due to an Emergency

8.13.1 An "emergency" means any situation arising from sudden and reasonably unforeseeable events beyond the control of the source, including acts of God, which situation requires immediate corrective action to restore normal operation, and that causes the source to exceed a technology-based emission limitation under the Permit, due to unavoidable increases in emissions attributable to the emergency. An emergency shall not include noncompliance to the extent caused by improperly designed equipment, lack of preventative maintenance, careless or improper operation, or operator error.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(1)]

8.13.2 An emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the Permittee demonstrates, through properly signed contemporaneous operating logs or other relevant evidence, that:
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(2) and (3)]

a. An emergency occurred and the Permittee can identify the cause(s) of the emergency;

b. The Permitted facility was at the time of the emergency being properly operated;

c. During the period of the emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards, or other requirements in the Permit; and

d. The Permittee promptly notified the Division and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to the emergency. This notice must contain a description of the emergency, any steps taken to mitigate emissions, and corrective actions taken.

8.13.3 In an enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency shall have the burden of proof.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(4)]

8.13.4 The emergency conditions listed above are in addition to any emergency or upset provisions contained in any applicable requirement.
[391-3-1-.03(10)(d)7 and 40 CFR 70.6(g)(5)]

8.14 Compliance Requirements

8.14.1 Compliance Certification

The Permittee shall provide written certification to the Division and to the EPA, at least annually, of compliance with the conditions of this Permit. The annual written certification shall be postmarked no later than February 28 of each year and shall be submitted to the Division and to the EPA. The certification shall include, but not be limited to, the following elements:
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(5)]

a. The identification of each term or condition of the Permit that is the basis of the certification;

b. The status of compliance with the terms and conditions of the permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent, based on the method or means designated in paragraph c below. The certification shall identify each deviation and take it into account in the compliance certification. The certification shall also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR Part 64 occurred;

c. The identification of the method(s) or other means used by the owner or operator for determining the compliance status with each term and condition during the certification period;

d. Any other information that must be included to comply with section 113(c)(2) of the Act, which prohibits knowingly making a false certification or omitting material information; and

e. Any additional requirements specified by the Division.

8.14.2 Inspection and Entry

a. Upon presentation of credentials and other documents as may be required by law, the Permittee shall allow authorized representatives of the Division to perform the following:
[391-3-1-.03(10)(d)3 and 40 CFR 70.6(c)(2)]

i. Enter upon the Permittee's premises where a Part 70 source is located or an emissions-related activity is conducted, or where records must be kept under the conditions of this Permit;
ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this Permit; and
iv. Sample or monitor any substances or parameters at any location during operating hours for the purpose of assuring Permit compliance or compliance with applicable requirements as authorized by the Georgia Air Quality Act.

b. No person shall obstruct, hamper, or interfere with any such authorized representative while in the process of carrying out his official duties. Refusal of entry or access may constitute grounds for Permit revocation and assessment of civil penalties.
[391-3-1-.07 and 40 CFR 70.11(a)(3)(i)]

8.14.3 Schedule of Compliance

a. For applicable requirements with which the Permittee is in compliance, the Permittee shall continue to comply with those requirements.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(A)]

b. For applicable requirements that become effective during the Permit term, the Permittee shall meet such requirements on a timely basis unless a more detailed schedule is expressly required by the applicable requirement.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(B)]

c. Any schedule of compliance for applicable requirements with which the source is not in compliance at the time of Permit issuance shall be supplemental to, and shall not sanction noncompliance with, the applicable requirements on which it is based.
[391-3-1-.03(10)(c)2 and 40 CFR 70.5(c)(8)(iii)(C)]

8.14.4 Excess Emissions

a. Excess emissions resulting from startup, shutdown, or malfunction of any source which occur though ordinary diligence is employed shall be allowed provided that:
[391-3-1-.02(2)(a)7(i)]

i. The best operational practices to minimize emissions are adhered to;

ii. All associated air pollution control equipment is operated in a manner consistent with good air pollution control practice for minimizing emissions; and

iii. The duration of excess emissions is minimized.

b. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction are prohibited and are violations of Chapter 391-3-1 of the Georgia Rules for Air Quality Control.
[391-3-1-.02(2)(a)7(ii)]

c. The provisions of this condition and Georgia Rule 391-3-1-.02(2)(a)7 shall apply only to those sources which are not subject to any requirement under Georgia Rule 391-3-1-.02(8) – New Source Performance Standards or any requirement of 40 CFR, Part 60, as amended concerning New Source Performance Standards.
[391-3-1-.02(2)(a)7(iii)]

8.15 Circumvention

State Only Enforceable Condition.

8.15.1 The Permittee shall not build, erect, install, or use any article, machine, equipment or process the use of which conceals an emission which would otherwise constitute a violation of an applicable emission standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of the pollutants in the gases discharged into the atmosphere.
[391-3-1-.03(2)(c)]

8.16 Permit Shield

8.16.1 Compliance with the terms of this Permit shall be deemed compliance with all applicable requirements as of the date of Permit issuance provided that all applicable requirements are included and specifically identified in the Permit.
[391-3-1-.03(10)(d)6]

8.16.2 Any Permit condition identified as "State only enforceable" does not have a Permit shield.

8.17 Operational Practices

8.17.1 At all times, including periods of startup, shutdown, and malfunction, the Permittee shall maintain and operate the source, including associated air pollution control equipment, in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on any information available to the Division that may include, but is not limited to, monitoring results, observations of the opacity or other characteristics of emissions, review of operating and maintenance procedures or records, and inspection or surveillance of the source.
[391-3-1-.02(2)(a)10]

State Only Enforceable Condition.

8.17.2 No person owning, leasing, or controlling, the operation of any air contaminant sources shall willfully, negligently or through failure to provide necessary equipment or facilities or to take necessary precautions, cause, permit, or allow the emission from said air contamination source or sources, of such quantities of air contaminants as will cause, or tend to cause, by themselves, or in conjunction with other air contaminants, a condition of air pollution in quantities or characteristics or of a duration which is injurious or which unreasonably interferes with the enjoyment of life or use of property in such area of the State as is affected thereby. Complying with Georgia's Rules for Air Quality Control Chapter 391-3-1 and Conditions in this Permit, shall in no way exempt a person from this provision.
[391-3-1-.02(2)(a)1]

8.18 Visible Emissions

8.18.1 Except as may be provided in other provisions of this Permit, the Permittee shall not cause, let, suffer, permit or allow emissions from any air contaminant source the opacity of which is equal to or greater than forty (40) percent.
[391-3-1-.02(2)(b)1]

8.19 Fuel-burning Equipment

8.19.1 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, in operation or under construction on or before January 1, 1972 in amounts equal to or exceeding 0.7 pounds per million BTU heat input.
[391-3-1-.02(2)(d)]

8.19.2 The Permittee shall not cause, let, suffer, permit, or allow the emission of fly ash and/or other particulate matter from any fuel-burning equipment with rated heat input capacity of less than 10 million Btu per hour, constructed after January 1, 1972 in amounts equal to or exceeding 0.5 pounds per million BTU heat input.
[391-3-1-.02(2)(d)]

8.19.3 The Permittee shall not cause, let, suffer, permit, or allow the emission from any fuel-burning equipment constructed or extensively modified after January 1, 1972, visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.
[391-3-1-.02(2)(d)]

8.20 Sulfur Dioxide

8.20.1 Except as may be specified in other provisions of this Permit, the Permittee shall not burn fuel containing more than 2.5 percent sulfur, by weight, in any fuel burning source that has a heat input capacity below 100 million Btu's per hour.
[391-3-1-.02(2)(g)]

8.21 Particulate Emissions

8.21.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, let, permit, suffer, or allow the rate of emission from any source, particulate matter in total quantities equal to or exceeding the allowable rates shown below. Equipment in operation, or under construction contract, on or before July 2, 1968, shall be considered existing equipment. All other equipment put in operation or extensively altered after said date is to be considered new equipment.
[391-3-1-.02(2)(e)]

a. The following equations shall be used to calculate the allowable rates of emission from new equipment:

$E = 4.1P^{0.67}$; for process input weight rate up to and including 30 tons per hour.
$E = 55P^{0.11} - 40$; for process input weight rate above 30 tons per hour.

b. The following equation shall be used to calculate the allowable rates of emission from existing equipment:

$E = 4.1P^{0.67}$

In the above equations, E = emission rate in pounds per hour, and
P = process input weight rate in tons per hour.

8.22 Fugitive Dust

[391-3-1-.02(2)(n)]

8.22.1 Except as may be specified in other provisions of this Permit, the Permittee shall take all reasonable precautions to prevent dust from any operation, process, handling, transportation or storage facility from becoming airborne. Reasonable precautions that could be taken to prevent dust from becoming airborne include, but are not limited to, the following:

a. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the grading of roads or the clearing of land;

b. Application of asphalt, water, or suitable chemicals on dirt roads, materials, stockpiles, and other surfaces that can give rise to airborne dusts;

c. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials. Adequate containment methods can be employed during sandblasting or other similar operations;

d. Covering, at all times when in motion, open bodied trucks transporting materials likely to give rise to airborne dusts; and

e. The prompt removal of earth or other material from paved streets onto which earth or other material has been deposited.

8.22.2 The opacity from any fugitive dust source shall not equal or exceed 20 percent.

8.23 Solvent Metal Cleaning

8.23.1 Except as may be specified in other provisions of this Permit, the Permittee shall not cause, suffer, allow, or permit the operation of a cold cleaner degreaser subject to the requirements of Georgia Rule 391-3-1-.02(2)(ff) "Solvent Metal Cleaning" unless the following requirements for control of emissions of the volatile organic compounds are satisfied: [391-3-1-.02(2)(ff)1]

a. The degreaser shall be equipped with a cover to prevent escape of VOC during periods of non-use,

b. The degreaser shall be equipped with a device to drain cleaned parts before removal from the unit,

c. If the solvent volatility is 0.60 psi or greater measured at 100 ºF, or if the solvent is heated above 120 ºF, then one of the following control devices must be used:

i. The degreaser shall be equipped with a freeboard that gives a freeboard ratio of 0.7 or greater, or

ii. The degreaser shall be equipped with a water cover (solvent must be insoluble in and heavier than water), or

iii. The degreaser shall be equipped with a system of equivalent control, including but not limited to, a refrigerated chiller or carbon adsorption system.

d. Any solvent spray utilized by the degreaser must be in the form of a solid, fluid stream (not a fine, atomized or shower type spray) and at a pressure which will not cause excessive splashing, and

e. All waste solvent from the degreaser shall be stored in covered containers and shall not be disposed of by such a method as to allow excessive evaporation into the atmosphere.

8.24 Incinerators

8.24.1 Except as specified in the section dealing with conical burners, no person shall cause, let, suffer, permit, or allow the emissions of fly ash and/or other particulate matter from any incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators", in amounts equal to or exceeding the following:
[391-3-1-.02(2)(c)1-4]

a. Units with charging rates of 500 pounds per hour or less of combustible waste, including water, shall not emit fly ash and/or particulate matter in quantities exceeding 1.0 pound per hour.

b. Units with charging rates in excess of 500 pounds per hour of combustible waste, including water, shall not emit fly ash and/or particulate matter in excess of 0.20 pounds per 100 pounds of charge.

8.24.2 No person shall cause, let, suffer, permit, or allow from any incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators", visible emissions the opacity of which is equal to or greater than twenty (20) percent except for one six minute period per hour of not more than twenty-seven (27) percent opacity.

8.24.3 No person shall cause or allow particles to be emitted from an incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators" which are individually large enough to be visible to the unaided eye.

8.24.4 No person shall operate an existing incinerator subject to the requirements of Georgia Rule 391-3-1-.02(2)(c) "Incinerators" unless:

a. It is a multiple chamber incinerator;

b. It is equipped with an auxiliary burner in the primary chamber for the purpose of creating a pre-ignition temperature of 800^{o}F; and

c. It has a secondary burner to control smoke and/or odors and maintain a temperature of at least 1500^{o}F in the secondary chamber.

8.25 Volatile Organic Liquid Handling and Storage

8.25.1 The Permittee shall ensure that each storage tank subject to the requirements of Georgia Rule 391-3-1-.02(2)(vv) "Volatile Organic Liquid Handling and Storage" is equipped with submerged fill pipes. For the purposes of this condition and the permit, a submerged fill pipe is defined as any fill pipe with a discharge opening which is within six inches of the tank bottom.
[391-3-1-.02(2)(vv)(1)]

8.26 Use of Any Credible Evidence or Information

8.26.1 Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit, for the purpose of submission of compliance certifications or establishing whether or not a person has violated or is in violation of any emissions limitation or standard, nothing in this permit or any Emission Limitation or Standard to which it pertains, shall preclude the use, including the exclusive use, of any credible evidence or information, relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed.
[391-3-1-.02(3)(a)]

8.27 Internal Combustion Engines

8.27.1 For diesel-fired internal combustion engine(s) manufactured after April 1, 2006 or modified/reconstructed after July 11, 2005, the Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart IIII – "Standards of Performance for Stationary Compression Ignition Internal Combustion Engines." Such requirements include but are not limited to:
[40 CFR 60.4200]

a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart IIII.

b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart IIII.

c. Conduct engine maintenance prescribed by the engine manufacturer in accordance with Subpart IIII.

d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart IIII. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as "emergency generators" for the purposes of Ga Rule 391-3-1-.02(2)(mmm).

e. Maintain any records in accordance with Subpart IIII

f. Maintain a list of engines subject to 40 CFR 60 Subpart IIII, including the date of manufacture.

[391-3-1-.02(6)(b)]

8.27.2 The Permittee shall comply with all applicable provisions of New Source Performance Standards (NSPS) as found in 40 CFR 60 Subpart A - "General Provisions" and 40 CFR 60 Subpart JJJJ - "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines," for spark ignition internal combustion engines(s) (gasoline, natural gas, liquefied petroleum gas or propane-fired) manufactured after July 1, 2007 or modified/reconstructed after June 12, 2006.
[40 CFR 60.4230]

8.27.3 The Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) as found in 40 CFR 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart ZZZZ - "National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines."

For diesel-fired emergency generator engines defined as "existing" in 40 CFR 63 Subpart ZZZZ (constructed prior to June 12, 2006 for area sources of HAP, constructed prior to June 12, 2006 for ≤500hp engines at major sources, and constructed prior to December 19, 2002 for >500hp engines at major sources of HAP), such requirements (if applicable) include but are not limited to:
[40 CFR 63.6580]

a. Equip all emergency generator engines with non-resettable hour meters in accordance with Subpart ZZZZ.

b. Purchase only diesel fuel with a maximum sulfur content of 15 ppm unless otherwise specified by the Division in accordance with Subpart ZZZZ.

c. Conduct the following in accordance with Subpart ZZZZ.

i. Change oil and filter every 500 hours of operation or annually, whichever comes first

ii. Inspect air cleaner every 1000 hours of operation or annually, whichever comes first and replace as necessary

iii. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first and replace as necessary.

d. Limit non-emergency operation of each emergency generator to 100 hours per year in accordance with Subpart ZZZZ. Non-emergency operation other than maintenance and readiness testing is prohibited for engines qualifying as "emergency generators" for the purposes of Ga Rule 391-3-1-.02(2)(mmm).

e. Maintain any records in accordance with Subpart ZZZZ

f. Maintain a list of engines subject to 40 CFR 63 Subpart ZZZZ, including the date of manufacture.[391-3-1-.02(6)(b)]

8.28 Boilers and Process Heaters

8.28.1 If the facility/site is an area source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart JJJJJJ - "National Emission Standards for Hazardous Air Pollutants for Area Sources: Industrial, Commercial, and Institutional Boilers."
[40 CFR 63.11193]

8.28.2 If the facility/site is a major source of Hazardous Air Pollutants, the Permittee shall comply with all applicable provisions of National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 63 Subpart A - "General Provisions" and 40 CFR 63 Subpart DDDDD - "National Emission Standards for Hazardous Air Pollutants for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters."
[40 CFR 63.7480]

Attachments

A. List of Standard Abbreviations and List of Permit Specific Abbreviations
B. Insignificant Activities Checklist, Insignificant Activities Based on Emission Levels and Generic Emission Groups
C. List of References
D. VOC RACT Plan

ATTACHMENT A

List Of Standard Abbreviations

AIRS	Aerometric Information Retrieval System	PM	Particulate Matter
APCD	Air Pollution Control Device	PM_{10} (PM10)	Particulate Matter less than 10 micrometers in diameter
ASTM	American Society for Testing and Materials	PPM (ppm)	Parts per Million
BACT	Best Available Control Technology	PSD	Prevention of Significant Deterioration
BTU	British Thermal Unit	RACT	Reasonably Available Control Technology
CAAA	Clean Air Act Amendments	RMP	Risk Management Plan
CEMS	Continuous Emission Monitoring System	SIC	Standard Industrial Classification
CERMS	Continuous Emission Rate Monitoring System	SIP	State Implementation Plan
CFR	Code of Federal Regulations	SO_2 (SO2)	Sulfur Dioxide
CMS	Continuous Monitoring System(s)	USC	United States Code
CO	Carbon Monoxide	VE	Visible Emissions
COMS	Continuous Opacity Monitoring System	VOC	Volatile Organic Compound
dscf/dscm	Dry Standard Cubic Foot / Dry Standard Cubic Meter		
EPA	United States Environmental Protection Agency		
EPCRA	Emergency Planning and Community Right to Know Act		
gr	Grain(s)		
GPM (gpm)	Gallons per minute		
H_2O (H2O)	Water		
HAP	Hazardous Air Pollutant		
HCFC	Hydro-chloro-fluorocarbon		
MACT	Maximum Achievable Control Technology		
MMBtu	Million British Thermal Units		
MMBtu/hr	Million British Thermal Units per hour		
MVAC	Motor Vehicle Air Conditioner		
MW	Megawatt		
NESHAP	National Emission Standards for Hazardous Air Pollutants		
NO_x (NOx)	Nitrogen Oxides		
NSPS	New Source Performance Standards		
OCGA	Official Code of Georgia Annotated		

List of Permit Specific Abbreviations

HCl	Hydrochloric Acid	FW	Flatwire Technologies Facility
$PM_{2.5}$ (PM2.5)	Particulate Matter less than 2.5 micrometers in diameter	SCR	Southwire Continuous Rod
GS	General Services	SCRP	Scrap
WP	Water Plant		

ATTACHMENT B

NOTE: Attachment B contains information regarding insignificant emission units/activities and groups of generic emission units/activities in existence at the facility at the time of Permit issuance. Future modifications or additions of insignificant emission units/activities and equipment that are part of generic emissions groups may not necessarily cause this attachment to be updated.

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Mobile Sources	1. Cleaning and sweeping of streets and paved surfaces	11 (UPP[3], CRM[4], MC[2], BWP[2])
Combustion Equipment	1. Fire fighting and similar safety equipment used to train fire fighters or other emergency personnel.	1 (GS)
	2. Small incinerators that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act and are not considered a "designated facility" as specified in 40 CFR 60.32e of the Federal emissions guidelines for Hospital/Medical/Infectious Waste Incinerators, that are operating as follows: i) Less than 8 million BTU/hr heat input, firing types 0, 1, 2, and/or 3 waste.	0
	ii) Less than 8 million BTU/hr heat input with no more than 10% pathological (type 4) waste by weight combined with types 0, 1, 2, and/or 3 waste.	0
	iii) Less than 4 million BTU/hr heat input firing type 4 waste. (Refer to 391-3-1-.03(10)(g)2.(ii) for descriptions of waste types)	0
	3. Open burning in compliance with Georgia Rule 391-3-1-.02 (5).	0
	4. Stationary engines burning: i) Natural gas, LPG, gasoline, dual fuel, or diesel fuel which are used exclusively as emergency generators shall not exceed 500 hours per year or 200 hours per year if subject to Georgia Rule 391-3-1-.02(2)(mmm).7	0
	ii) Natural gas, LPG, and/or diesel fueled generators used for emergency, peaking, and/or standby power generation, where the combined peaking and standby power generation do not exceed 200 hours per year.	0
	iii) Natural gas, LPG, and/or diesel fuel used for other purposes, provided that the output of each engine does not exceed 400 horsepower and that no individual engine operates for more than 2,000 hours per year.	0
	iv) Gasoline used for other purposes, provided that the output of each engine does not exceed 100 horsepower and that no individual engine operates for more than 500 hours per year.	0
Trade Operations	1. Brazing, soldering, and welding equipment, and cutting torches related to manufacturing and construction activities whose emissions of hazardous air pollutants (HAPs) fall below 1,000 pounds per year.	82 (UPP[16], CRM[15], BWP[15], MC[11], MSG[13], CTC [1], GS[11])
Maintenance, Cleaning, and Housekeeping	1. Blast-cleaning equipment using a suspension of abrasive in water and any exhaust system (or collector) serving them exclusively.	0
	2. Portable blast-cleaning equipment.	2 (CRM)
	3. Non-Perchloroethylene Dry-cleaning equipment with a capacity of 100 pounds per hour or less of clothes.	0
	4. Cold cleaners having an air/vapor interface of not more than 10 square feet and that do not use a halogenated solvent.	25 (UPP[6], CRM[4], GS[1], BWP[5], MC[3], MSG[4], CTC[1]; TAP[1])
	5. Non-routine clean out of tanks and equipment for the purposes of worker entry or in preparation for maintenance or decommissioning.	varies
	6. Devices used exclusively for cleaning metal parts or surfaces by burning off residual amounts of paint, varnish, or other foreign material, provided that such devices are equipped with afterburners.	0

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Maintenance, Cleaning, and Housekeeping	7. Cleaning operations: Alkaline phosphate cleaners and associated cleaners and burners.	0
Laboratories and Testing	1. Laboratory fume hoods and vents associated with bench-scale laboratory equipment used for physical or chemical analysis.	43 (UPP[5], BWP[3], WP[1], CRM[13], SCR[1], CTC[20])
	2. Research and development facilities, quality control testing facilities and/or small pilot projects, where combined daily emissions from all operations are not individually major or are support facilities not making significant contributions to the product of a collocated major manufacturing facility.	1 (SCR)
Pollution Control	1. Sanitary waste water collection and treatment systems, except incineration equipment or equipment subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	2. On site soil or groundwater decontamination units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	1 (CRM)
	3. Bioremediation operations units that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	4. Landfills that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	3 (CRM[1], UPP[2])
Industrial Operations	1. Concrete block and brick plants, concrete products plants, and ready mix concrete plants producing less than 125,000 tons per year.	0
	2. Any of the following processes or process equipment which are electrically heated or which fire natural gas, LPG or distillate fuel oil at a maximum total heat input rate of not more than 5 million BTU's per hour:	
	i) Furnaces for heat treating glass or metals, the use of which do not involve molten materials or oil-coated parts.	0
	ii) Porcelain enameling furnaces or porcelain enameling drying ovens.	0
	iii) Kilns for firing ceramic ware.	0
	iv) Crucible furnaces, pot furnaces, or induction melting and holding furnaces with a capacity of 1,000 pounds or less each, in which sweating or distilling is not conducted and in which fluxing is not conducted utilizing free chlorine, chloride or fluoride derivatives, or ammonium compounds.	0
	v) Bakery ovens and confection cookers.	0
	vi) Feed mill ovens.	0
	vii) Surface coating drying ovens	0
	3. Carving, cutting, routing, turning, drilling, machining, sawing, surface grinding, sanding, planing, buffing, shot blasting, shot peening, or polishing; ceramics, glass, leather, metals, plastics, rubber, concrete, paper stock or wood, also including roll grinding and ground wood pulping stone sharpening, provided that: i) Activity is performed indoors; & ii) No significant fugitive particulate emissions enter the environment; & iii) No visible emissions enter the outdoor atmosphere.	54 (UPP[7], CRM[19], BWP[8], MC[4], MSG[5], CTC[2],GS[2], SCR[4]; 12FL[1], TAP[2]
	4. Photographic process equipment by which an image is reproduced upon material sensitized to radiant energy (e.g., blueprint activity, photographic developing and microfiche).	0
	5. Grain, food, or mineral extrusion processes	0
	6. Equipment used exclusively for sintering of glass or metals, but not including equipment used for sintering metal-bearing ores, metal scale, clay, fly ash, or metal compounds.	0
	7. Equipment for the mining and screening of uncrushed native sand and gravel.	0
	8. Ozonization process or process equipment.	0
	9. Electrostatic powder coating booths with an appropriately designed and operated particulate control system.	0
	10. Activities involving the application of hot melt adhesives where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	0
	11. Equipment used exclusively for the mixing and blending water-based adhesives and coatings at ambient temperatures.	0

INSIGNIFICANT ACTIVITIES CHECKLIST

Category	Description of Insignificant Activity/Unit	Quantity
Industrial Operations	12. Equipment used for compression, molding and injection of plastics where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	1 [TAP]
	13. Ultraviolet curing processes where VOC emissions are less than 5 tons per year and HAP emissions are less than 1,000 pounds per year.	0
Storage Tanks and Equipment	1. All petroleum liquid storage tanks storing a liquid with a true vapor pressure of equal to or less than 0.50 psia as stored.	0
	2. All petroleum liquid storage tanks with a capacity of less than 40,000 gallons storing a liquid with a true vapor pressure of equal to or less than 2.0 psia as stored that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	3. All petroleum liquid storage tanks with a capacity of less than 10,000 gallons storing a petroleum liquid.	8 (CRM[4], UPP[4])
	4. All pressurized vessels designed to operate in excess of 30 psig storing petroleum fuels that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	18 (CRM[6], UPP[7], MSG[2], BWP[1], CTC[1], CEM[1])
	5. Gasoline storage and handling equipment at loading facilities handling less than 20,000 gallons per day or at vehicle dispensing facilities that are not subject to any standard, limitation or other requirement under Section 111 or 112 (excluding 112(r)) of the Federal Act.	0
	6. Portable drums, barrels, and totes provided that the volume of each container does not exceed 550 gallons.	425 (CRM[100], UPP[60], MSG[30], MC[30], GS[5], BWP[165], CTC[10], SCR[5], CEM[10], 12FL[5], TAP[5])
	7. All chemical storage tanks used to store a chemical with a true vapor pressure of less than or equal to 10 millimeters of mercury (0.19 psia).	55 (CRM[24], BWP[23], UPP[1], WP[6], GS[1]

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
Cooling Towers (UPP[3], (CRM[2])	5
CRM Non-Acid Pickling System Reagent Tanks	2
CRM Isopropyl Alcohol Tank	1
Propane Vaporizers (UPP[1], CRM[2])	3
CRM Stormwater Collection & Treatment System	1
Industrial Waste Treatment Plant	1
Water Treatment Plant	1
UPP 11-Hour Natural Gas Annealing Oven 1080-01	1
UPP Bell Furnace Anealer 1030-01	1

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
UPP 4.0 MMBtu/hr Natural Gas Annealing Ovens (P776, P777)	2
UPP Laser Etching Systems	3
UPP Bead Blaster	2
Drawing Machines (UPP [480-01, 480-02, 435-03, P778, P779, P780])	6
Drawing Machines with Annealers (UPP[430-02, 450-01, 450-03, 420-01, 430-10, 435-02, 435-03, 435-05, 420-22, 420-50], BWP - [430-02, 450-01, 450-03, 420-01, 420-04, 430-10, 435-02, 460-01, 435-03])	19
Bunchers & Stranders (UPP[18], BWP[21])	39
CRM Band Preheater	1
CRM Holding Furnace (2 burners)	1
CRM Tap Hole Burners	2
CRM Upper Launder (10 burners)	1
CRM Slag Vessel (5 burners)	1
CRM Catch Basin (2 burners)	1
CRM Lower Launder (8 burners)	1
CRM Tundish (2 burners)	1
CRM Tundish Preheat Stations (2 burners each)	2
CRM Casting Torch	1
CRM Acetylene Sooters	3
CRM Tundish Spout Heater	1
Parts Washers (UPP[1], BWP[5])	6
BWP Silicone Wipe Application	1
BWP PVC Blending Raw Materials Silos	4
BWP PVC Blending Additive Systems (793-04, 793-05, 793-06, 793-07)	4
BWP PVC Blending Blenders (793-08, 793-09)	2
BWP PVC Blending Dry Blend Hopper (793-10)	1
BWP PVC Blending Weigh Feeder (793-11)	1
BWP PVC Blending Mixer (793-12)	1
BWP PVC Blending Extruder (793-13)	1
BWP PVC Blending Pelletizer (793-14)	1
BWP PVC Blending Water System & Dryer (793-15)	1

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
BWP PVC Blending Pellet Classifier (793-16)	1
BWP PVC Blending Bagging System (793-17)	1
BWP Pellet Silos	6
BWP XLPE Blending 1 Raw Material Silos	5
BWP XLPE Blending 1 Raw Material Hopper Systems (791-03, 791-04)	2
BWP XLPE Blending 1 Feeder System (791-20)	1
BWP XLPE Blending 1 Catalyst Injection (791-08)	1
BWP XLPE Blending 1 Mixer (791-09)	1
BWP XLPE Blending 1 Extruder (791-10)	1
BWP XLPE Blending 1 Dicer (791-11)	1
BWP XLPE Blending 1 Dewatering & Dryer Conveyor System (791-12)	1
BWP XLPE Blending 1 Dryer Shaker (791-13)	1
BWP XLPE Blending 1 Bagging Station (791-14)	1
BWP XLPE Blending 2 & 3 Resin Silo (X161 & X167)	2
BWP XLPE Blending 2 & 3 Feeder System (X162 & X168)	2
BWP XLPE Blending 2 & 3 Catalyst Injection (X163 & X169)	2
BWP XLPE Blending 2 & 3 Mixing/Pelletizing (X164 & X170)	2
BWP XLPE Blending 2 & 3 Pellet Dewatering (X165 & X171)	2
BWP XLPE Blending 2 & 3 Pellet Containerizing (X166 & X172)	2
UPP Preheat Torches (0.009 MBtu/hr)	2
Cofer Printer for Experimental Extruder	1
MSG Heat Treat Ovens	4
BWP Electric Packaging Heat Seal Ovens	17
12FL Electric Packaging Heat Seal Ovens	5
TAP Stone Washer	1
TAP Paint Dry Oven	1
TAP Lab Oven	1
TAP Ink Stamp	1
MSG Paint Mixing Room	1

ATTACHMENT B (continued)

GENERIC EMISSION GROUPS

Emission units/activities appearing in the following table are subject only to one or more of Georgia Rules 391-3-1-.02 (2) (b), (e) &/or (n). Potential emissions of particulate matter, from these sources based on TSP, are less than 25 tons per year per process line or unit in each group. Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Emissions Units / Activities	Number of Units (if appropriate)	Applicable Rules		
		Opacity Rule (b)	PM from Mfg Process Rule (e)	Fugitive Dust Rule (n)
PAVD (Campus-Wide Paved Roadways)	1			X
UNPV (Unpaved Parts of the facility)	1			X
DUMP (CRM Box Dumper)	1	X	X	
SCRP (Scrap Granulators/Choppers – UPP[7], MC[3], BWP[1])	11	X	X	
CORE (MC Core Machines)	5	X	X	
DGLZ (UPP Deglazing Lines P781, P782, P785)	3	X	X	
P528 (UPP Pellet Compound Silo)	1	X	X	
CHOP (UPP Scrap Chopper)	1	X	X	

The following table includes groups of fuel burning equipment subject only to Georgia Rules 391-3-1-.02 (2) (b) & (d).Any emissions unit subject to a NESHAP, NSPS, or any specific Air Quality Permit Condition(s) are not included in this table.

Description of Fuel Burning Equipment	Number of Units
Fuel burning equipment with a rated heat input capacity of less than 10 million BTU/hr burning only natural gas and/or LPG.	1 (CRM)
Fuel burning equipment with a rated heat input capacity of less than 5 million BTU/hr, burning only distillate fuel oil, natural gas and/or LPG.	1 (MSG)
Any fuel burning equipment with a rated heat input capacity of 1 million BTU/hr or less.	7 (BWP[3], UPP[3]; MSG[1])

ATTACHMENT C

LIST OF REFERENCES

1. The Georgia Rules for Air Quality Control Chapter 391-3-1. All Rules cited herein which begin with 391-3-1 are State Air Quality Rules.

2. Title 40 of the Code of Federal Regulations; specifically 40 CFR Parts 50, 51, 52, 60, 61, 63, 64, 68, 70, 72, 73, 75, 76 and 82. All rules cited with these parts are Federal Air Quality Rules.

3. ***Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Testing and Monitoring Sources of Air Pollutants.***

4. ***Georgia Department of Natural Resources, Environmental Protection Division, Air Protection Branch, Procedures for Calculating Air Permit Fees***.

5. Compilation of Air Pollutant Emission Factors, AP-42, Fifth Edition, Volume I: Stationary Point and Area Sources. This information may be obtained from EPA's TTN web site at *www.epa.gov/ttn/chief/ap42/index.html*.

6. The latest properly functioning version of EPA's **TANKS** emission estimation software. The software may be obtained from EPA's TTN web site at *www.epa.gov/ttn/chief/software/tanks/index.html*.

7. The Clean Air Act (42 U.S.C. 7401 et seq).

8. White Paper for Streamlined Development of Part 70 Permit Applications, July 10, 1995 (White Paper #1).

9. White Paper Number 2 for Improved Implementation of the Part 70 Operating Permits Program, March 5, 1996 (White Paper #2).

ATTACHMENT D

VOC RACT PLAN

VOC RACT Plan

Southwire Company
Carrollton, Georgia

Revised September 2016

Introduction

Southwire Company owns and operates a copper rod mill, a utility products plant, a building wire plant, a metal-clad armoring plant, a machine services facility, a research and development facility, and associated (peak shaving and emergency backup) electricity generating equipment at a single complex in Carrollton, Georgia. These plants collectively meet the definition of a single "source" for the purposes of determining the applicability of 391-3-1-.02(2)(tt) of the Georgia Rules for Air Quality Control [Rule (tt)]. Rule (tt) requires all sources in Carroll County that have the potential to emit 100 tons per year (tpy) of volatile organic compounds (VOC) to install Reasonably Available Control Technology (RACT). An evaluation of the potential annual VOC emissions from Southwire's Carrollton main campus plants yields a total greater than 100 tons tpy; therefore, Southwire Company is submitting this plan as required by Rule (tt) for the implementation of VOC RACT.

1.1. VOC RACT Requirements

According to Rule (tt), RACT means "*the utilization and/or implementation of water based or low solvent coatings, VOC control equipment such as incineration, carbon adsorption, refrigeration, or other like means as determined by the Director to represent reasonably available control technology for the source category in question*." Furthermore, RACT has defined by USEPA as "*the lowest emission limitation that a particular source can meet by applying a control technique that is reasonably available considering technological and economic feasibility*." Therefore, the determination of RACT requires an evaluation of control technologies and the establishment of an emission limit that can be achieved through the use of controls that meet the criteria for reasonable availability.

For each emission unit of process type at Southwire, a thorough search of state and federal rules and guidance, including EPA's RACT/BACT/LAER Clearinghouse (RBLC) database, was performed to identify available control technologies. In some cases, RACT has already been established for similar processes as part of Georgia's State Implementation Plan for the Atlanta non-attainment area. Wherever appropriate, the controls identified in these specific VOC RACT rules have been used in this plan to identify the RACT requirements for Southwire's affected emission units. A case-by-case analysis was used to determine RACT for these emission units where no specific RACT determination exists.

The following sections address the RACT requirements for the affected emission units in order of descending potential emissions. Because Rule (tt) does not contain a "de minimis" emission level, all emission units that were deemed to have quantifiable VOC emissions are included in the plan for consideration. In some cases, similar small emission units were grouped together to take advantage of the reduced economics of combined control systems.

1.2. Summary of Emission Units

As described above, Southwire's Carrollton main campus consists of several plants that combine to make one "source" subject to Rule (tt). The various plants and their functions are distinguished using the following nomenclature:

- Rod Mill (SCRM) – produces copper rod from copper plates known as "cathodes"
- Utility Products Plant (SCUPP) – manufacturers electrical cable for the utility industry
- Building Wire Plant (SCBWP) – manufactures electrical wire for use in commercial, industrial, and residential applications
- MC Plant (MC) – manufactures metal-clad armored electrical conduit and wire for use in commercial and residential applications
- Machine Services Group (MSG) – performs metal- and wood-working operations in support of other Southwire facilities
- Corporate Energy Management (CEM) – operates electricity generators for use on site
- Cofer Technology Center (CTC) – conducts research and development in support of Southwire manufacturing operations
- Southwire Tools & Assembled Products (STAP) – assembles tools and painting of small tool blades

The following table identifies the emission units subject to Rule (tt). Some of the units are combined for brevity.

Table 1.1 – Emission Units Submit to Rule (tt)

Source Code	Emission Unit Description
F409	Rod Mill Shaft Furnace
Q467	Rod Mill Quenching & Cooling
F438, etc.	Rod Mill Holding Furnace & Other Misc. Comb.
P001, P316, P970	Reel Repair & MSG Paint Booths and STAP Blade Coating
Various	Plastics Blending & Manufacturing
Various	Plastic Extrusion
Various	Ink Application Systems
Various	Drawing Machines/Annealers
Various	Tooling Cleaning processes
P804-P806	Waukesha Engines
Various	Emergency Generators
Various	Miscellaneous

The following sections present descriptions of the processes for the emission units identified in the table, along with the VOC RACT determinations for each.

Rod Mill

The VOC emissions from the Rod Mill Shaft Furnace, Cooling and Quenching, and miscellaneous combustion sources are addressed collectively for the determination of RACT as their emissions are interrelated. Together, they have the potential to emit 73 tpy based on a PSD-avoidance permit limit. The following process description provides an explanation of the relationship between their emissions.

1.3. Process Description

Southwire's Rod Mill receives high-grade copper in the form of cathodes and produces copper rod. Cathodes are charged into the Shaft Furnace for melting. Molten copper is transferred from the furnace to a holding furnace and onto a continuous casting wheel. The cast copper then proceeds through a series of rollers that reshape it into rod of a specified diameter. As the copper emerges from casting, a dilute aqueous non-acidic pickling solution (NAPS) reagent is applied to provide cooling and quenching. The Rod Mill is equipped with a vapor recovery system that captures the resulting vapor and routes it to the shaft furnace for destruction. VOC emissions from the shaft furnace include the minor VOC emissions resulting from incomplete NAPS reagent destruction. The only VOC emissions that are emitted from the holding furnace and other miscellaneous combustion sources are produced by the combustion of natural gas (or propane).

1.4. RACT Determination

The vapor recovery system previously described is designed such that it captures 83 percent of the NAPS reagent applied. Furthermore, the Shaft Furnace is estimate to combust at least 95 percent of the vapor. Southwire, therefore, proposes that the existing vapor recovery and system and shaft furnace be deemed RACT for emissions from the Rod Mill. The existing permit limit of 73 tpy of VOC emissions from the Rod Mill is sufficient to enforce the continued use of the vapor recovery system and shaft furnace.

Painting Operations

There are currently two paint booths (P001 & P316) and one manual painting process (P970) at Southwire's Carrollton facilities that are subject to Rule (tt). The following is a description of these booths and a proposal for VOC RACT.

1.5. Process Description

The Reel Repair paint booth (P001) is strictly used to paint large cable reels after they have been returned from the customer. The MSG paint booth (P316) is used for both production (SCR caster components) and non-production purposes. P970 is a manual paint application process to apply coating to small tool blades. Potential VOC emissions from these operations are well below 100 tpy. Therefore, these painting activities are not subject to Georgia Rule (ii) – "VOC Emissions from Surface Coating of Miscellaneous Metal Parts and Products," which applies to production equipment only for operations that have potential VOC emissions of 100 tpy or more.

1.6. RACT Determination

A search of available controls for paint operations revealed a large number of determinations ranging from incineration to compliance coatings. However, the majority of these determinations were based on the more stringent Best Available Control Technology (BACT) requirements. As noted above, there is an existing state VOC RACT rule for the coating of miscellaneous metal parts [Rule (ii)] that established VOC content limits for paint booths that are used for production. Although Southwire's coating operations are not subject to Rule (ii), it is not unreasonable to apply the same VOC content limits to these activities.

According to Rule (ii), the VOC content limit for painting operations that utilize air drying or forced warm are drying is 3.5 pounds of VOC per gallon, excluding water. Alternatively, if a coating containing more than 3.5 pounds of VOC per gallon is to be used, then the solids equivalent must be limited to 6.67 pounds of VOC per gallon of coating solids delivered to the coating applicator. Southwire proposes that RACT for the painting operations is the use of compliance coatings meeting these limitations.

Plastics Blending, Extrusion, and Curing

Southwire produces insulated wire and cable products using a variety of plastics for insulation. There are essentially three types of operations involved in the production of insulation: plastic pellet manufacturing (most pellets are purchased and not manufactured on site), extrusion of plastic onto wire, and curing of the insulation (some plastics). The VOC emissions from these three process groups are related in terms of their VOC emissions; therefore, they are presented together for convenience. The following is a brief description of these processes and a proposal for VOC RACT.

1.7. Process Description

Southwire produces insulation by extruding plastic onto aluminum or copper wire. Some of the extruders use pre-manufactured plastics received in pellet form. However, at SCBWP, Southwire formulates its own PVC pellets from raw materials. This process basically mixes dry raw materials and plasticizers, and extrudes them into a water bath where they are chopped into pellets as they emerge from the extruder. These pellets are then transported to silos for use in the extrusion lines.

The process of extrusion consists of electrically heating plastics to a temperature needed to provide the necessary flow characteristics and then forcing them through a die to form insulation on wire or cable passing by the extruder. The act of heating the plastics is responsible for the minor release of VOC emissions associated with extrusion. Some plastics go through a cross-linking reaction that generates VOC emissions as the material cures.

1.8. RACT Determination

A review of available controls and previous RACT determinations revealed that there are currently no controls in use for plastic extrusion processes similar to these at Southwire. There are determinations for polystyrene and polyethylene foam, but Southwire does not use polystyrene or polyethylene foam for any of the insulated products at Carrollton. Also, no similar blending (or mixing) or curing operations were identified in the RBLC database. Therefore, Southwire proposes that "no control" be considered RACT for these processes.

Ink Application

The ink application systems used by Southwire do not meet the definition of "offset lithography printing" as defined in the specific RACT rule of offset lithography [Rule (ddd)]. Therefore, they are included here for general RACT consideration. The following is a brief description of these processes and a proposal for VOC RACT.

1.9. Process Description

Southwire's printing operations consist of direct-roller application and inkjet application of inks to wire insulation. Southwire's ink application printers typically use solvent based inks and make-up solutions, which are responsible for the VOC emissions from the ink application systems.

1.10. RACT Determination

Southwire and its ink vendors have made several attempts to formulate low-VOC inks for the use in the ink application systems. The primary problems hampering the development of low-solvent printing materials are the material on which Southwire is printing (plastic) and line speed requirements. Plastic insulation requires inks with certain adhesive properties that are not available in water and soy-based inks. Also, the extrusion line operating speed does not support the longer drying time required by these inks.

Southwire's ink vendor has developed some low- and no-VOC inks and make-up solutions by replacing much of the solvent with acetone (a non-VOC solvent). Based on use of these inks over the last several years, the low/no-VOC inks is not technically feasible in all cases. Southwire uses low-VOC and non-VOC inks where there is no impact to product quality and/or customer satisfaction, the ink dries quickly enough before the wire passes into the cooling water trough, and the ink is not cost prohibitive. Since low-VOC materials cannot be used in all applications, Southwire asserts that RACT for printing activities is "no controls."

Drawing Machines/Annealers

Southwire's drawing and electric annealing processes at the Carrollton plants generate minor VOC emissions. The following is a brief description of these processes and proposed RACT.

1.11. Process Description

The VOC emissions from the drawing machines/annealers are formed by the drawing and annealing solutions that are vaporized during the process. Due to the nature of the metal, aluminum drawing/annealing requires a drawing/annealing solution (neat oil) with a significantly higher VOC content than copper (90+% water). Some of Southwire's drawing machines are equipped with in-line electric annealers, and others do not have annealers. The annealing for these drawing machines is performed in a separate natural gas annealer.

1.12. RACT Determination

A search of available controls and RACT determinations indicated that there are currently no control technologies currently being applied to wire drawing and annealing. Therefore, Southwire proposes that "no control" be deemed RACT for these emission units.

Parts Cleaning Devices

Southwire operates a number of devices to remove plastic residue from extruder parts and other tooling. Following is a brief description of these processes and proposed RACT.

1.13. Process Description

Southwire operates three types of parts cleaning equipment to remove plastic residue from extruder parts and tooling: gas ovens, fluidized bath units, and jet cleaners. Parts cleaning ovens are small, natural gas fired units that clean parts through controlled pyrolysis. Potential VOC emissions from these units are negligible as the units are equipped with integrated afterburners. Fluidized bath tooling cleaning units use a combination of heat and abrasive media to clean parts. Jet cleaners use heat and vacuum to remove residue from metal parts. These units operate in an oxygen-starved environment in order to minimize emissions. All parts cleaning devices are restricted by permit limits in order to limit the impact of toxic emissions, which also limits VOC emissions.

1.14. RACT Determination

The gas ovens are equipped with integrated afterburners to control VOC emissions. The afterburner is expected to control 99+ percent of VOC emissions. Therefore, Southwire proposes that integrated afterburners are sufficient to meet RACT requirements for these emission units. The fluidized bath and jet cleaner units are restricted by permit to only burn off a certain amount of residue per week, which limits the amount of air toxics and VOC generated from the unit. Southwire proposes that these operating restrictions be considered RACT for these units.

Generators

Soutwire operates four large and several small internal combustion engines for the generation of electrical power. One unit (ITS Generator) and several small units are used to provide emergency power only. Southwire's three Waukesha Engines (P804-P806) are used to provide both emergency and peaking power. The following is a brief description of these units and proposed RACT.

1.15. Process Description

Southwire uses both diesel- and natural gas-fired engines/generators to provide emergency power only. Natural gas fired Waukesha Engines are used for both peak shaving and emergency power generation purposes. The Waukesha units are equipped with air/fuel ratio controllers and non-selective catalytic reduction (NSCR) to control emissions of nitrogen oxides (NOx) and VOC.

1.16. RACT Determination

Southwire's emergency generators are regulated by the National Emissions Standards for Hazardous Air Pollutants from Stationary Reciprocating Internal Combustion Engines [RICE MACT, 40 CFR 63 Subpart ZZZZ], which subjects these units to operating limits and specific maintenance requirements in order to minimize emissions. In addition, the large ITS Generator (P807) is subject to 40 CFR Part 60 Subpart IIII for Stationary Compression Ignition Internal Combustion Engines, which requires a Certificate of Conformity with 40 CFR Parts 60 and 89. Southwire suggests that the emergency generators are subject to sufficient regulatory restrictions limiting emissions and proposes that "no additional control" be required RACT for these units.

The Waukesha Engine NSCR units have been tested to demonstrate compliance with maximum achievable control technology (MACT) requirements per National Emissions Standards for Hazardous Air Pollutants from Stationary Reciprocating Internal Combustion Engines [RICE MACT, 40 CFR 63 Subpart ZZZZ] and VOC emissions limits in accordance with Standards of Performance for New Stationary Sources for Stationary Spark Ignition Internal Combustion Engines [40 CFR 60 Subpart JJJJ]. Therefore, Southwire proposes that NSCR be deemed RACT for the Waukesha Engines.

Miscellaneous Sources

Southwire operates numerous small emission units with negligible VOC emissions. The units include a propane vaporizer, MC armoring operations, various small fuel burning sources, and the Cofer vertical flame chamber. Potential VOC emissions from each of these sources are expected to be less than 1.0 tpy. Considering the low potential emissions from these sources, Southwire proposes that "no control" be considered for VOC RACT for these units.

Summary

The following table identifies the proposed RACT for each emission source described in this plan.

Table 11.1 – VOC RACT PROPOSALS

Source Code	Emission Unit Description	Proposed RACT
F409	Rod Mill Shaft Furnace	Existing Vapor Recovery System and Shaft Furnace
Q467	Rod Mill Quenching & Cooling	
F438, etc.	Rod Mill Holding Furnace & Other Misc. Comb.	No Controls
P001, P316, P970	UPP & MSG Paint Booths and STAP Blade Coating	Low-VOC Paints (≤3.5 lb VOC/gal)
Various	Plastics Blending & Manufacturing	No Controls
Various	Plastic Extrusion	No Controls
Various	Ink Application Systems	Low-VOC Ink Where Feasible; Otherwise No Controls
Various	Drawing Machines/Annealers	No Controls
Various	Parts Cleaning Ovens	Integral Afterburner
Various	Fluidized Bed & Jet Cleaner Tooling Cleaners	Operating Limits
P804-P806	Waukesha Engines	NSCR, A/F ratio controller
Various	Emergency Generators	No Additional Controls
Various	Miscellaneous	No Controls