PERMIT AMENDMENT NO. 3357-045-0008-V-05-2
ISSUANCE DATE: 07/22/2021

GEORGIA
DEPARTMENT OF NATURAL RESOURCES

ENVIRONMENTAL PROTECTION DIVISION

Air Quality - Part 70 Operating Permit Amendment

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 construction permit for:

The construction and operation of several extruders, printers, armoring lines, drawing machines, bare wire bunchers and PVC compounding equipment and removal of multiple extrusion and drawing line equipment located at the Building Wire Plant [BWP], Metal Clad [MC], and Utility Product Plant [UPP]. The replacement of the rod mill located at the Copper Rod Mill [CRM].

This Permit Amendment shall also serve as a final amendment to the Part 70 Permit unless objected to by the U.S. EPA or withdrawn by the Division. The Division will issue a letter when this Operating Permit amendment is finalized.

This Permit Amendment 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 Amendment and Permit No. **3357-045-0008-V-05-0.** Unless modified or revoked, this Amendment expires upon issuance of the next Part 70 Permit for this source. This Amendment may be subject to revocation, suspension, modification or amendment by the Director for cause including evidence of noncompliance with any of the above; or for any misrepresentation made in App No. 556038 dated **April 26, 2021**; any other applications upon which this Amendment or Permit No. **3357-045-0008-V-05-0** are based; supporting data entered therein or attached thereto; or any subsequent submittal or supporting data; or for any alterations affecting the emissions from this source.

This Amendment is further subject to and conditioned upon the terms, conditions, limitations, standards, or schedules contained in or specified on the attached **32** pages.

STATE OF GEORGIA
CONSTITUTION
WISDOM JUSTICE MODERATION
1776

Richard E. Dunn, Director
Environmental Protection Division

Table of Contents

PART 1.0 FACILITY DESCRIPTION

1.3 Process Description of Modification

Southwire is proposing to construct and operate several new pieces of equipment while removing and retiring a series of older equipment. The equipment change can be summarized below:

Building Wire Plant *is planning to install:*
- Nine (9) extrusion lines (extruder, plastic pellet feed hopper system, and ink application).
- Six (6) polyvinyl chloride (PVC) extruders
- One (1) PVC storage silo
- Three (3) dual wire copper drawing machines with annealer
- Five (5) tandem extrusion lines (extruder, plastic pellet feed hopper system, ink application, and drawing machine).
- Three (3) PVC compounding lines

And is planning to remove:
- Fourteen (14) extrusion lines (extruder, plastic pellet feed hopper system, and ink application).
- Three (3) tandem extrusion lines (extruder, plastic pellet feed hopper system, ink application, and drawing machine).
- One (1) PVC compounding line.

Metal Clad *is planning to install:*
- One (1) tandem extrusion line (extruder, plastic pellet feed hopper system, ink application, and drawing machine).
- Eleven (11) armoring lines
- Eleven (11) armoring line printers

Copper Rod Mill *is planning to install:*
- Two (2) rod mill shaft furnaces
- One (1) rod production system
- One (1) quenching and cooling system with scrubber and vapor capture system.

And is planning to remove:
- One (1) rod mill shaft furnace
- One (1) rod production system
- One (1) quenching and cooling system with vapor capture system
- One (1) bucket Elevator

Utility Product Plant *is planning to install:*
- Two (2) Covered Aerial Medium Voltage (CAMV) extrusion lines (three extruders each, three plastic pellet feeder hopper systems each, and two ink application system each)
- Four (4) reprint lines
- Ten (10) curing ovens or saunas provided steam by three (3) steam generators

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.

3.1.2 Additional 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 750-30					
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 – 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~~					
~~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~~
~~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~~
~~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 – 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*

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)					
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*
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*

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 740-03					
P118	*Extruders 740-03*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)* *391-3-1-.02(2)(tt)*		*None*	*NA*
H118	*Plastic Pellet Feed Hopper System*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)*	*3.4.B.1, 3.4.B.2*	*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 750-06					
P122	*Extruders 750-06*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)* *391-3-1-.02(2)(tt)*		*None*	*NA*
H122	*Plastic Pellet Feed Hopper System*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)*	*3.4.B.1, 3.4.B.2*	*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*
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)*		*None*	*NA*
H123	*Plastic Pellet Feed Hopper System*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)*	*3.4.B.1, 3.4.B.2*	*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 – 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 – 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*

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)					
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 – 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)*		*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)*	*3.4.B.1, 3.4.B.2*	*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)*		*None*	*NA*
P624	*Plastic Pellet Feed Hopper System*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)*	*3.4.B.1, 3.4.B.2*	*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)*		*None*	*NA*
P627	*Plastic Pellet Feed Hopper System*	*391-3-1-.02(2)(e)* *391-3-1-.02(2)(b)*	*3.4.B.1, 3.4.B.2*	*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*
Process Group – PVC Jacket Line P6001					
P6001	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6002	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6003	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 – PVC Jacket Line P6004					
P6004	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6005	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6006	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 – PVC Jacket Line P6007					
P6007	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6008	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
Building Wire Plant (B)					
P6009	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 – PVC Jacket Line P6010					
P6010	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6011	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6012	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 – PVC Jacket Line P6013					
P6013	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6014	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6015	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 – PVC Jacket Line P6016					
P6016	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6017	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6018	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 – PVC Jacket Line P6019					
P6019	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6020	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6021	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 – PVC Jacket Line P6022					
P6022	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6023	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6024	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 – PVC Jacket Line P6025					
P6025	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6026	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6027	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
Building Wire Plant (B)					
Process Group – PVC Extrusion					
P6028	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6029	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6030	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6031	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6032	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6033	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Miscellaneous					
P6034	PVC Storage Silo	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6035	Cu/Al Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6036	Cu/Al Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6037	Cu/Al Drawing Machine with Annealer	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 P6038					
P6038	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6039	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6040	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6041	Cu Drawing Machine with annealer	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 P6042					
P6042	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6043	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6044	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6045	Cu Drawing Machine with annealer	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**
Building Wire Plant (B)					
Process Group – Tandem Extrusion Line P6046					
P6046	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6047	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6048	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6049	Cu Drawing Machine with annealer	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 P6050					
P6050	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6051	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6052	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6053	Cu Drawing Machine with annealer	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 P6054					
P6054	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6055	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P6056	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P6057	Cu Drawing Machine with annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		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.

NOTE: Equipment in *italics* are to be removed.

Emission Units		Specific Limitations/Requirements		Air Pollution Control Devices	
ID No.	**Description**	**Applicable Requirements/Standards**	**Corresponding Permit Conditions**	**ID No.**	**Description**
MC Plant [C]					
~~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~~
~~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~~
~~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~~
~~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: Tandem Extrusion Line P3001					
P3001	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P3002	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P3003	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P3004	Cu Drawing Machine with Annealer	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
Miscellaneous					
P3005 thru P3015	MC Armoring Lines	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P3016 thru P3026	MC Armoring Line Printers	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		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.

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 Capture System Rod Mill Shaft Furnace*
Miscellaneous					
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*
Process Group – Rod Mill					
F4001	Rod Mill Shaft Furnace No. 1	391-3-1-.02(2)(e) 391-3-1-.02(2)(g) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		C4001	Scrubber
F4002	Rod Mill Shaft Furnace No. 2				
F4003	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)		C4003 F4001 F4002	Vapor Capture System Rod Mill Shaft Furnace No. 1 and No. 2

* 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.

NOTE: Equipment in *italics* are to be removed.

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 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~~
CAMV Line 2					
P7001	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P7002	Extruder			None	NA
P7003	Extruder			None	NA
P7004	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P7005	Plastic Pellet Feed Hopper System			None	NA
P7006	Plastic Pellet Feed Hopper System			None	NA
P7007	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P7008	Ink Application System			None	NA
CAMV Line 3					
P7009	Extruder	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P7010	Extruder			None	NA
P7011	Extruder			None	NA
P7012	Plastic Pellet Feed Hopper System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b)		None	NA
P7013	Plastic Pellet Feed Hopper System			None	NA
P7014	Plastic Pellet Feed Hopper System			None	NA
P7015	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P7016	Ink Application System			None	NA
Reprint Line 1					
P7017	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P7018	Ink Application System			None	NA
P7019	Ink Application System	391-3-1-.02(2)(e) 391-3-1-.02(2)(b) 391-3-1-.02(2)(tt)		None	NA
P7020	Ink Application System			None	NA
Miscellaneous					
P7021	5 Btu/hr Natural Gas Steam Generator	391-3-1-.02(2)(b) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)		None	NA
P7022	5 Btu/hr Natural Gas Steam Generator	391-3-1-.02(2)(b) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)		None	NA
P7023	5 Btu/hr Natural Gas Steam Generator	391-3-1-.02(2)(b) 391-3-1-.02(2)(d) 391-3-1-.02(2)(g)		None	NA
CS15	Curing Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)		None	NA
CS16	Curing Oven			None	NA
CS17	Curing Oven			None	NA
CS18	Curing Oven			None	NA
CS19	Curing Oven			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)					
CS20	Curing Oven	391-3-1-.02(2)(b) 391-3-1-.02(2)(e) 391-3-1-.02(2)(tt)		None	NA
CS21	Curing Oven			None	NA
CS22	Curing Oven			None	NA
CS23	Curing Oven			None	NA
CS24	Curing Oven			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]

MODIFIED CONDITION

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]

MODIFIED CONDITION

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]

MODIFIED CONDITION

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]

NEW CONDITION

3.2.A.4 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill shall not discharge, or cause the discharge, into the atmosphere, particulate matter in excess of 9.9 tons during any consecutive 12-month period from Drawing Machines P3004, P6035, P6036, P6037, P6041, P6045, P6049, P6053, P6057; Storage Silos P6034; and Pellet Hoppers P3002, P6002, P6005, P6008, P6011, P6014, P6017, P6020, P6023, P6026, P6039, P6043, P6047, P6051, P6055, P7004, P7005, P7006, P7012, P7013, and P7014; Shaft Furnace F4001 and F4002; MC Armoring Lines P3005 through P3015;
[391-3-1-.03(2)(c), 40 CFR 52.21 Avoidance]

NEW CONDITION

3.2.A.5 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 39.9 tons during any consecutive 12-month period from Drawing Machines P3004, P6035, P6036, P6037, P6041, P6045, P6049, P6053, P6058; Plastic Extrusion Lines P3001, P6001, P6004, P6007, P6010, P6013, P6016, P6019, P6022, P6025, P6028, P6029, P6030, P6031, P6032, P6033, P6038, P6042, P6046, P6050, P6054, P7001, P7002, P7003, P7009, P7010, and P7011; Ink Application Systems P3003, P6003, P6006, P3016-P3026, P6009, P6012, P6015, P6018, P6021, P6024, P6027, P6040, P6044, P6048, P6052, P6056, P7007, P7008, P7015, P7016, P7017, P7018, P7019, and P7020; Quenching and cooling system F4003.
[391-3-1-.03(2)(c), 40 CFR 52.21 Avoidance]

NEW CONDITION

3.2.A.6 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 9.9 tons during any consecutive 12-month period from Drawing Machines P3004, P6035, P6036, P6037, P6041, P6045, P6049, P6053, P6057; Storage Silos P6034; and Pellet Hoppers P3002, P6002, P6005, P6008, P6011, P6014, P6017, P6020, P6023, P6026, P6039, P6043, P6047, P6051, P6055, P7004, P7005, P7006, P7012, P7013, and P7014; Shaft Furnace F4001 and F4002; MC Armoring Lines P3005 through P3015.
[391-3-1-.03(2)(c), 40 CFR 52.21 Avoidance]

NEW CONDITION

3.2.A.7 MC Plant, Building Wire Plant, Utility Products Plant, and Copper Rod Mill plan to remove:

a. Extruders P634, P637, P662, P323, P675, P678, P112, P113, P114, P118, P122, P123, P657, P644, P157, P159, and P162;

b. Pellet Hoppers P635, P638, P663, P324, P676, P679, H112, H113, H114, H118, H122, H123, P658, P645, P617, P624, and P627;

c. Ink Application System P636, P639, P664, P325, P677, P680, I112, I113, I114, I118, I122, P659, P646, P158, P160, and P161;

d. Drawing Machines P139, P140, P656, P142 and P144;

e. Rod Mill Shaft Furnace F409, Rod Mill Quenching and Cooling System Q467, and Bucket Elevator BE1

prior to the operation of any equipment added in conditions 3.2.A.4, 3.2.A.5, and 3.2.A.6. The new equipment might be present at the facility before the older equipment has been removed. However, the two generations of equipment will not be simultaneously operational.
[391-3-1-.03(2)(c), 40 CFR 52.21 Avoidance]

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

NEW CONDITION

3.5.A.1 The Permittee shall comply with all applicable rules and/or regulations/ emissions limitations and/or operations limitations, monitoring requirements, recordkeeping requirements and/or reporting requirements for all applicable equipment to be removed as specified in Application Number 556038 until it is removed from the facility.
[391-3-1-.03(2)(c)]

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

MODIFIED CONDITION

3.2.B.3 Building Wire Plant shall only process copper on Drawing Machines P643, *P656,* P660, P661, P682, ~~and~~ P689, P6035, P6036, P6037, P6041, P6045, P6049, P6053, and P6057.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance, 40 CFR 52.21 Avoidance]

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

MODIFIEDCONDITION

3.2.C.1 MC Plant shall only process copper on Drawing Machine ~~P332~~ P3004.
[391-3-1-.03(2)(c), 40 CFR 51.165 Avoidance, 40 CFR 52.21 Avoidance]

3.3.C Equipment Federal Rule Standards [MC]

MODIFIED CONDITION

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 Printers P3016-P3026 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]

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

MODIFIED CONDITION

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.
[391-3-1-.03(2)(c), Avoidance of PSD – 40 CFR 52.21]

NEW CONDITION

3.2.D.3 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the Rod Mill Shaft Furnaces (F4001 and F4002) and the Rod Mill Quenching and Cooling System (F4003), combined, VOC emissions in excess of 44 tons during any consecutive 12-month period.
[391-3-1-.03(2)(c), Avoidance of PSD – 40 CFR 52.21]

NEW CONDITION

3.2.D.4 The Permittee shall not discharge, or cause the discharge, into the atmosphere from the Rod Mill Shaft Furnaces (F4001 and F4002), $PM/PM_{10}/PM_{2.5}$ emissions in excess of 7 tons during any consecutive 12-month period.
[391-3-1-.03(2)(c), Avoidance of PSD – 40 CFR 52.21]

NEW CONDITION

3.2.D.5 The Permittee shall only melt copper in one of the Rod Mill Shaft Furnaces (F4001 or F4002) at a time. The alternate furnace shall be used only when the current furnace is taken down for maintenance or repairs. The Permittee shall operate scrubber C4001 when either Rod Mill Shaft Furnace (F4001 or F4002) is operating. 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.
[391-3-1-.03(2)(c), 40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

3.4.D Equipment SIP Rule Standards [CRM]

MODIFIED CONDITION

3.4.D.3 The Permittee shall not fire any fuel in the Rod Mill Shaft Furnaces (*F409*, F4001 and F4002) or Vertirod Process (F476) whose sulfur content exceeds 2.5 weight percent, unless otherwise specified by the Director.
[391-3-1-.02(2)(g)]

MODIFIED CONDITION

3.4.D.4 The Permittee shall operate the Vapor Capture System (*A467* C4003) during all periods of operation of the Rod Mill Quenching and Cooling System (*Q467* F4003).
[391-3-1-.02(2)(tt)]

MODIFIED CONDITION

3.4.D.5 The Permittee shall route any ~~uncondensed~~ vapor from the Vapor Capture System (*A467*, C4003) to the Rod Mill Shaft Furnaces (*F409*, F4001 or F4002) for combustion/destruction purposes. During such periods, the Rod Mill Shaft Furnaces (*F409*, F4001 or F4002) shall be operating at a temperature representative of normal source operation.
[391-3-1-.02(2)(tt)]

MODIFED CONDITION

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]

MODIFED CONDITION

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]

NEW CONDITION

3.4.D.8 The Permittee shall operate a Rod Mill Shaft Furnaces (F4001 or F4002) during all periods of operation of the Rod Mill Quenching and Cooling System (F4003).
[391-3-1-.02(2)(tt)]

PART 4.0 REQUIREMENTS FOR TESTING

4.1 General Testing Requirements

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 which pertain to the emission units listed in Section 3.1 are as follows:

NEW CONDITION

hh. Method 201A combined with Method 202 for the determination of PM_{10} and $PM_{2.5}$ emissions from either Rod Mill Shaft Furnace (F4001 or F4002).

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)]

4.2.D Specific Testing Requirements [CRM]

NEW CONDITION

4.2.D.1 To demonstrate compliance with particulate matter emission limits, the Permittee shall conduct performance testing on one representative Rod Mill Shaft Furnace using the testing methods in Permit Condition 4.1.3.hh for either Rod Mill Shaft Furnace F4001 or Rod Mill Shaft Furnace F4002. Testing of a representative Rod Mill Shall Furnace shall be conducted while operating at maximum load.

Initial performance testing must be conducted within 60 days after achieving the maximum production rate at which either Rod Mill Shaft Furnace will be operated, but not later than 180 days after the initial startup of either Rod Mill Shaft Furnace. The Permittee shall determine the hourly particulate matter emissions rate in terms of pounds per hour for one Rod Mill. A Performance tests is required once every twelve (12) months thereafter for Rod Mill Shaft Furnace F4001 or Rod Mill Shaft Furnace F4002.

Within 60 days of the completion of testing, the Permittee shall submit a report to the Division containing the emissions test results.
[Avoidance of 40 CFR 52.21, 40 CFR 70.6(a)(3)(i) and 391-3-1-.02(6)(b)1]

PART 5.0 REQUIREMENTS FOR MONITORING (Related to Data Collection)

5.2.B Specific Monitoring Requirements [BWP]

MODIFIED CONDITION

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.C Specific Monitoring Requirements [MC]

MODIFIED CONDITION

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]

MODIFIED CONDITION

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 F4003	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]

MODIFIED CONDITION

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* F4003.
[40 CFR 64.6(c)(1)(iii)]

Performance Criteria [64.4(a)(3)]	**Indicator No. 1** **Furnace (Source ID *F409*, F4001 and F4002) 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 for Rod Mill Shaft Furnace burner – whichever furnace is melting copper or holding molten copper) 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.

NEW CONDITION

5.2.D.4 The Permittee shall install, calibrate, maintain, and operate indicators on the Scrubber C4001 (Source Code: C4001) for scrubbant flow rate in gallons per minute and differential pressure in inches of water. Data shall be recorded once per 8-hour period of facility operation. The Permittee shall maintain the scrubbant flow rate and differential pressure on the Scrubber C4001 within the applicable parameter ranges as specified by the manufacturer or the most recently Division-approved value.
[Avoidance of 40 CFR 52.21 and 391-3-1-.02(6)(b)1]

PART 6.0 OTHER RECORD KEEPING AND REPORTING REQUIREMENTS

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

MODIFIED CONDITION

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.

iv. Any rolling twelve month period where VOC emissions, as determined by Condition 6.2.D.9, are in excess of 44 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.B General Record Keeping and Reporting Requirements [BWP]

MODIFIED CONDITION

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)

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, P6035, P6036, P6037, P6041, P6045, P6049, P6053, and P6057.

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]

MODIFIED CONDITION

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~~ P3004.

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]

MODIFIED CONDITION

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 P477and/or P3004.

iii. Any 12 consecutive month total VOC emissions from the Rod Mill Shaft Furnaces (F4001 and F4002) and the Rod Mill Quenching and Cooling System (F4003), combined, which exceeds 44 tons.

iv. Any 12 consecutive month total $PM/PM_{10}/PM_{2.5}$ emissions from the Rod Mill Shaft Furnaces (F4001 and F4002), which exceeds 7 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)

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* F4001 and/or F4002) is operated below 1,450 $^{\circ}$F, or the most recent Division-approved temperature.

iii. Any 8-hour scrubbant flow rate in gallons per minute and/or differential pressure in inches of water for the Scrubber C4001 (Source Code: C4001) which is not consistent with the operating parameters under Condition No. 5.2.D.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. 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.

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

MODIFIED CONDITION

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)]

MODIFIED CONDITION

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)]

MODIFIED CONDITION

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

MODIFIED CONDITION

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)]

MODIFIED CONDITION

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

MODIFIED CONDITION

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)]

MODIFIED CONDITION

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, and 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

MODIFIED CONDITION

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)]

MODIFIED CONDITION

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

MODIFIED CONDITION

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)]

NEW CONDITION

6.2.A.12 The Permittee shall provide a list of any applicable equipment as specified in Application Number 556038 that has been removed during the reporting period as part of the semiannual report required by Permit Condition 6.1.4.
[391-3-1-.02(6)(b)1. and 391-3-1-.03(2)(c)]

NEW CONDITION

6.2.A.13 The Permittee shall provide a list of any applicable equipment as specified in Application Number 556038 that has been constructed during the reporting period as part of semiannual report required by Permit Condition 6.1.4.
[391-3-1-.02(6)(b)1. and 391-3-1-.03(2)(c)]

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

MODIFIED CONDITION

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* F4003). 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. Quantities in gallons shall be converted to mass in pounds using the applicable density of the Reagent.

b. The availability of ~~the~~ each Rod Mill Shaft Furnace (*F409* F4001 and F4002). The availability shall be defined as the ratio of the hours that capture VOC is being burned in t~~he~~ each Rod Mill Shaft Furnace (*F409* F4001 and F4002) to the hours of operation of the Rod Mill Quenching and Cooling System (*Q467* F4003).

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

MODIFIED CONDITION

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 (lbs) 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.

MODIFIED CONDITION

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)]

NEW CONDITION

6.2.D.8 The Permittee shall use the records required in Condition 6.2.D.1 to calculate the total monthly VOC emissions (in tons) from each Rod Mill Shaft Furnace (F4001 and F4002), and the Rod Mill Quenching and Cooling System (F4003), 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-(D/100)*AF]*(1 ton/2000 lbs)

where,

U equals the mass (lbs) 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;

D equals the VOC destruction efficiency of each Rod Mill Shaft Furnace (F4001 and F4002). For purposes of this Permit, the value of D is set at 90 percent, unless otherwise specified by the Division;

AF equals the availability of each Rod Mill Shaft Furnace (F4001 and F4002), 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.

NEW CONDITION

6.2.D.9 The Permittee shall use the records required by Condition 6.2.D.8 to determine the twelve consecutive month total of VOC emissions (in tons) from each Rod Mill Shaft Furnace (F4001 and F4002) and the Rod Mill Quenching and Cooling System (F4003), 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)]

NEW CONDITION

6.2.D.10 For Scrubber C4001, the Permittee shall submit as part of the report required by Permit Condition 6.1.4 as a minimum the following:

a. the nature and cause of the deviation, the time and date of occurrences, and any initial and final corrective action taken.

b. a summary of any days for which any of the required operation and maintenance surveillance checks were not made and the reason for such failure to perform the surveillance.

c. all records of the deviated pressure drop measurements and scrubbant flow rate measurements.

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

MODIFIED CONDITION

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~~August 29 or February 28, 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~~ February 28 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)]

Attachments

B. Insignificant Activities Based on Emission Levels

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 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
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~~22])	~~39~~ 40
CRM Band Preheater	*1*
CRM Graphite Injection System (F4004)	1
CRM Holding Furnaces (F4011 and F4012) (2 burners each)	~~1~~2
CRM Tap Hole Burners	2
CRM Upper Launders (F4005 and F4006) (~~10~~ 6 burners each)	~~1~~2
CRM Slag Vessels (F4009 and F4010) (~~5~~ 3 burners each)	~~1~~2
CRM Catch Basin (2 burners)	*1*
CRM Intermediate Launders (F4013 and F4014) (2 catch basins and 6 burners each)	2
CRM Lower Launder (F4015) (~~8~~ 1 catch basin and 6 burners)	1
CRM Tundish (F4016) (2 burners)	1
CRM Tundish Preheat Stations (F4017 and F1018) (2 burners each)	2

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
CRM Casting Torch (F4022)	1
CRM Acetylene Sooters (F4019, F4020, F4021)	3
CRM Tundish Spout Heater (F4023)	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*
BWP PVC Blending Pellet Classifier (793-16)	*1*
BWP PVC Blending Bagging System (793-17)	*1*
BWP PVC Hot Mixer (PVC1-01, PVC2-01,PVC3-01)	3
BWP PVC Cold Mixer (PVC C2-02, PVC2-02, PVC3-02)	3
BWP PVC Additive Feeder Small (PVC1-03 through PVC1-06, PVC2-03 through PVC2-06, PVC3-03 through PVC3-06)	12
BWP PVC Additive Feeder Large (PVC1-07 through PVC1-10, PVC2-07 through PVC2-10, PVC3-07 through PVC3-10)	12
BWP PVC Dry Blend Hopper (PVC1-11 through PVC1-14, PVC2-11 through PVC2-14, PVC3-11 through PVC3-14)	12
BWP PVC Plasticizer Hopper (PVC1-15 through PVC1-17, PVC2-15 through PVC2-17, PVC3-15 through PVC3-17)	9
BWP PVC Maxifeeder (PVC1-18, PVC2-18, PVC3-18)	3
BWP PVC Underwater Pelletizer (PVC1-19, PVC2-19, PVC3-19)	3
BWP PVC Water Temp System (PVC1-20, PVC2-20, PVC3-20)	3
BWP PVC Classifier (PVC1-21, PVC2-21, PVC3-21)	3
BWP PVC Daybin (PVC-22, PVC2-22)	2
BWP PVC Packaging Line (PVC2-23, PVC2-23)	2
Medical Center – Natural Gas-Fired 30 kW Emergency Stationary Generator (P820)	1

INSIGNIFICANT ACTIVITIES BASED ON EMISSION LEVELS

Description of Emission Units / Activities	Quantity
BWP Pellet Silos	6
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
Drawing Machines with Annealers (UPP[TBD, 435-06], BWP - [435-07, P697, P601])	5
Bunchers & Stranders (UPP[2], BWP[2], MC[1])	5

NOTE: Equipment in *italics* are to be removed.