INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

TO: Interested Parties / Applicant

DATE: May 17, 2013

RE: General Cable Industries, Inc. / 053-33006-00001

FROM: Matthew Stuckey, Branch Chief
Permits Branch
Office of Air Quality

Notice of Decision – Approval

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to 326 IAC 2, this approval was effective immediately upon submittal of the application.

If you wish to challenge this decision, IC 4-21.5-3-7 requires that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Suite N 501E, Indianapolis, IN 46204, **within eighteen (18) calendar days from the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

(1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
(2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
(3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

(1) the name and address of the person making the request;
(2) the interest of the person making the request;
(3) identification of any persons represented by the person making the request;
(4) the reasons, with particularity, for the request;
(5) the issues, with particularity, proposed for considerations at any hearing; and
(6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER-AM.dot12/3/07

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
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May 17, 2013

Mr. David Mooney
General Cable Industries, Inc.
440 East 8th Street
Marion, IN 46953

Re: 053 - 33006 - 00001
First Administrative Amendment to
M 053 - 28045 - 00001

Dear Mr. Mooney:

General Cable Industries, Inc. was issued a Minor Source Operating Permit (MSOP) No. M053-28045-00001 on April 20, 2009 for a stationary cable manufacturing plant located at 440 East 8th Street, Marion, IN 46953. On March 26, 2013, the Office of Air Quality (OAQ) received an application from the source requesting to add one Lead stripper and four Cold Cleaner Degreasers to the permit.

Pursuant to 326 IAC 2-6.1-6(d)(11), these changes to the permit are considered an administrative amendment because the permit is amended to add emissions units, subject to 326 IAC 2-1.1-3 (Exemptions), at the request of the applicant.

The following are the emissions units:

(a) One (1) Lead stripper, identified as ESP Lead Stripper, installed in 2011, with a maximum capacity to strip 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, exhausting indoors to general ventilation (GV).

(b) Four (4) Cold Cleaner Degreasers, identified as PW-1 through PW-4, installed in 1995, with a maximum total throughput of 70 gallons per year, using no control, exhausting indoors.

The PTE of the emission unit is as follows:

	PTE of Modification (tons/year)									
Process/ Emission Unit	PM	PM10	PM2.5	SO_2	NOx	VOC	CO	GHGs as CO_2e	Total HAPs	Worst Single HAP
ESP Lead stripper	0.78	0.78	0.78	-	-	-	-		0.001	0.001 Lead
PW-1 through PW-4	-	-	-	-	-	0.23	-	-	-	
Total PTE of Proposed Modification	0.78	0.78	0.78	-	-	0.23	-		0.001	0.001 Lead

(a) The uncontrolled/unlimited potential to emit of the entire source after the addition of this emission unit will continue to be within the threshold levels specified in 326 IAC 2-5.1 (MSOP). (See Appendix A for the calculations).

(b) The incorporation of the modification will not cause the source's potential to emit to be greater than the threshold levels specified in 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), or 326 IAC 2-7 (Part 70).

(c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this administrative amendment.

(d) National Emission standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning, 40 CFR 63, Subpart T, do not apply to the Cold Cleaner Degreasers, PW-1 through PW-4, because the units use non-halogenate solvent.

(e) There are no other National Emission standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in this administrative amendment.

PTE of the Entire Source Prior to the MSOP Administrative Amendment

The table below is from TSD Appendix A to permit No. 053-29826-00001, issued on November 17, 2010.

	Potential To Emit of the Entire Source Before Issuance of MSOP Adminstrative Amendment (tons/year)								
Process/ Emission Unit	PM	PM10*	PM2.5	SO_2	NOx	VOC	CO	Total HAPs	Worst Single HAP
Boiler #B1 Natural Gas	0.39	1.57	1.57	0.12	20.61	1.13	17.31	0.39	0.37
Lead Lines North & South	36.09	36.09	36.09	-	-	8.48	-	2.48	2.33
ESP Lead Extruder	7.36	7.36	7.36	-	-	-	-	2.30	2.30
Lead Stripper	13.32	13.32	13.32	-	-	-	-	0.02	0.02
Extrusion	1.92	1.92	1.92	-	-	1.02	-	8.56	8.56
CCW Line	0.05	0.05	0.05	-	-	-	-	0.0044	0.0044
Total PTE of Entire Source	**59.14**	**60.31**	**60.31**	**0.12**	**20.61**	**10.63**	**17.31**	**13.76**	**8.56**

PTE of the Entire Source After Issuance of the MSOP Administrative Amendment

The table below summarizes the potential to emit of the entire source, with updated emissions shown as **bold** values and previous emissions shown as ~~strikethrough~~ values.

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP Adminstrative Amendment (tons/year)									
	PM	PM10*	PM2.5	SO_2	NOx	VOC	CO	GHGs as CO_2e**	Total HAPs	Worst Single HAP
Boiler #B1 Natural Gas	0.39	1.57	1.57	0.12	20.61	1.13	17.31	**24,884.65**	0.39	0.37
Lead Lines North & South	36.09	36.09	36.09	-	-	8.48	-	-	2.48	2.33
ESP Lead Extruder	7.36	7.36	7.36	-	-	-	-	-	2.30	2.30
Lead Stripper	13.32	13.32	13.32	-	-	-	-	-	0.02	0.02
Extrusion	1.92	1.92	1.92	-	-	1.02	-	-	8.56	8.56
CCW Line	0.05	0.05	0.05	-	-	-	-	-	0.0044	0.0044
ESP Lead stripper	**0.78**	**0.78**	**0.78**	**-**	**-**	**-**	**-**	**-**	**0.001**	**0.001**
Degreasers	**-**	**-**	**-**	**-**	**-**	**0.23**	**-**	**-**	**-**	**-**
Total PTE of Entire Source	~~59.14~~ **59.91**	~~60.31~~ **61.09**	~~60.31~~ **61.09**	0.12	20.61	~~10.63~~ **10.87**	17.31	**24,884.65**	13.76	8.56 Acetoph enone
Title V Major Source Thresholds**	NA	100	100	100	100	100	100	100,000	25	10
PSD Major Source Thresholds**	250	250	250	250	250	250	250	100,000	NA	NA

negl. = negligible
*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
**The 100,000 CO_2e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

The table below summarizes the potential to emit of the entire source after issuance of this revision, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this MSOP permit revision, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. (Note: the table below was generated from the above table, with bold text un-bolded and strikethrough text deleted)

Process/ Emission Unit	Potential To Emit of the Entire Source After Issuance of MSOP Adminstrative Amendment (tons/year)									
	PM	PM10*	PM2.5	SO_2	NOx	VOC	CO	GHGs as CO_2e**	Total HAPs	Worst Single HAP
Boiler #B1 Natural Gas	0.39	1.57	1.57	0.12	20.61	1.13	17.31	24,884.65	0.39	0.37
Lead Lines North & South	36.09	36.09	36.09	-	-	8.48	-	-	2.48	2.33
ESP Lead Extruder	7.36	7.36	7.36	-	-	-	-	-	2.30	2.30
Lead Stripper	13.32	13.32	13.32	-	-	-	-	-	0.02	0.02
Extrusion	1.92	1.92	1.92	-	-	1.02	-	-	8.56	8.56
CCW Line	0.05	0.05	0.05	-	-	-	-	-	0.0044	0.0044
ESP Lead stripper	0.78	0.78	0.78	-	-	-	-	-	0.001	0.001
Degreasers	-	-	-	-	-	0.23	-	-	-	-
Total PTE of Entire Source	**59.91**	**61.09**	**61.09**	**0.12**	**20.61**	**10.87**	**17.31**	**24,884.65**	**13.76**	**8.56 Acetophenone**
Title V Major Source Thresholds**	**NA**	**100**	**100**	**100**	**100**	**100**	**100**	**100,000**	**25**	**10**
PSD Major Source Thresholds**	**250**	**250**	**250**	**250**	**250**	**250**	**250**	**100,000**	**NA**	**NA**

negl. = negligible
*Under the Part 70 Permit program (40 CFR 70), particulate matter with an aerodynamic diameter less than or equal to a nominal 10 micrometers (PM10), not particulate matter (PM), is considered as a "regulated air pollutant".
**The 100,000 CO_2e threshold represents the Title V and PSD subject to regulation thresholds for GHGs in order to determine whether a source's emissions are a regulated NSR pollutant under Title V and PSD.

Pursuant to the provisions of 326 IAC 2-6.1-6, the permit is hereby amended as follows with the deleted language as ~~strikeouts~~ and new language **bolded**.

(1) The new units: lead stripper (ESP) and cold cleaner degreasers, have been added to Section A.2 Emission Units and Pollution Control Equipment Summary as follows:

A.2 Emission Units and Pollution Control Equipment Summary

This stationary cable manufacturing plant consists of the following emission units and pollution control devices:

....

(j) One (1) Lead stripper, identified as ESP Lead Stripper, installed in 2011, with a maximum capacity to strip 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, exhausting indoors to general ventilation (GV).

(k) Four (4) Cold Cleaner Degreasers, identified as PW-1 through PW-4, installed in 1995, with a maximum total throughput of 70 gallons per year, using no control, exhausting indoors.

(2) The new units lead stripper and cold cleaner degreasers, and requirements have been added to Section D.2 as follows:

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description: Manufacturing Operations

.....

(j) One (1) Lead stripper, identified as ESP Lead Stripper, installed in 2011, with a maximum capacity to strip 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, exhausting indoors to general ventilation (GV).

(k) Four (4) Cold Cleaner Degreasers, identified as PW-1 through PW-4, installed in 1995, with a maximum total throughput of 70 gallons per year, using no control, exhausting indoors.

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Particulate Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions (PM) shall be limited as shown in the table that follows:

Emission Unit (Control)	Process Weight Rate (tons/hr)	Allowable PM Emissions (326 IAC 6-3-2) (lb/hr)
North Lead Line, ID: #5 (CC#5)	3.3	9.12
South Lead Line, ID: #6 (CC#5)	2.1	6.74
Lead Sheathing Line	1.05	4.24
Lead Stripper, ID: #8 (CC#8)	18.0	28.4
CV-1	0.30	1.83
CV-2	0.13	1.06
CV-3	0.10	0.86
CV-4	0.15	1.16
CV-5	0.225	1.51
ESP Lead Stripper*	**1.05**	**4.24**

***Based on the calculations, a HEPA multi-cartridge filter are not required in order to comply.**

The pound per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10\ P^{0.67}$$

Where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980:

(a) The Permittee of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.

(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.

(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) The Permittee of a cold cleaner degreaser subject to this subsection shall ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) A refrigerated chiller.

(D) Carbon adsorption.

(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:

(A) must be a solid, fluid stream; and

(B) shall be applied at a pressure that does not cause excessive splashing.

D.2.~~23~~ Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for the North Lead line (#5), the South Lead line (#6), the Lead Sheathing Line, and the Lead Stripper (#8), **ESP Lead Stripper**. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

All other conditions of the permit shall remain unchanged and in effect. Attached please find the entire revised permit.

A copy of the permit is available on the Internet at: http://www.in.gov/ai/appfiles/idem-caats/. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Ms. Renee Traivaranon of my staff at 317-234-5615 or 1-800-451-6027, and ask for extension 4-5615.

Sincerely,

Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

Attachments: Updated Permit and Appendix A
IC/rt
cc: File - Grant County
Grant County Health Department
U.S. EPA, Region V
Compliance and Enforcement Branch

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
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Minor Source Operating Permit
OFFICE OF AIR QUALITY

General Cable Industries, Inc.
440 East 8th Street
Marion, Indiana 46953

(herein known as the Permittee) is hereby authorized to operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-1.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages.

Indiana statutes from IC 13 and rules from 326 IAC, quoted in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a MSOP under 326 IAC 2-6.1.

Operation Permit No.: M053-28045-00001	
Original signed by: Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: April 20, 2009 Expiration Date: April 20, 2014

First Notice-Only Change No. 053-28606-000001, issued November 23, 2009
First Minor Permit Revision No. 053-29333-00001, issued July 1, 2010
Second Notice-Only Change No. 053-29826-00001, issued November 17, 2011

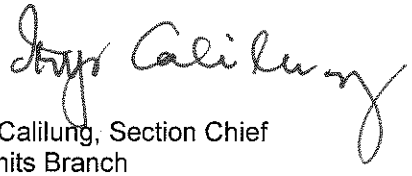
First Administrative Amendment No. 053-33006-00001	
Issued by:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: May 17, 2013 Expiration Date: April 20, 2014

TABLE OF CONTENTS

SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in conditions A.1 and A.2 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-5.1-3(c)][326 IAC 2-6.1-4(a)]

The Permittee owns and operates a stationary cable manufacturing plant.

Source Address:	440 East 8th Street, Marion, Indiana 46953
General Source Phone Number:	(765) 664-2321
SIC Code:	3357; 3471; 3356; 3499
County Location:	Grant
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

A.2 Emission Units and Pollution Control Equipment Summary

This stationary cable manufacturing plant consists of the following emission units and pollution control devices:

(a) One (1) natural gas fired boiler (ID# B1), constructed in 1952, with a maximum heat input capacity of 48.0 million Btu per hour (MMBtu/hr), with no emission controls, and exhausting through stack SS-1.

(b) One (1) North Lead line (ID #5), constructed in 1967, with a maximum capacity to extrude 3.3 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter (ID CC#5), then exhausting to general ventilation. The North lead line includes an adhesive application pot, a lead pot, a dross pot, two (2) polymer extruders, and a lead press extruder and has a maximum capacity to extrude 1,613.8 tons of polymers per year. The adhesive application pot exhausts without control through stack SS-50. The HEPA multi-cartridge filter (ID CC#5) is voluntary and is shared with the South Lead Line (ID #6). Stack SS-50 is shared with the South Lead Line (ID #6).

(c) One (1) South Lead Line (ID #6), constructed in 1967, with a maximum capacity to extrude 2.1 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter (ID CC#5), then exhausting to general ventilation. The South lead line includes an adhesive application pot, a lead pot, a dross pot, a polymer extruder, and a lead press extruder and has a maximum capacity to extrude 1,613.8 tons of polymers per year. The adhesive application pot exhausts without control through stack SS-50. The HEPA multi-cartridge filter (ID CC#5) is voluntary and is shared with the North Lead line (ID #5). Stack SS-50 is shared with the North Lead line (ID #5).

(d) One (1) Lead Sheathing Line, identified as ESP Lead Extruder, approved for construction in 2010, with a maximum capacity to extrude 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, then exhausting to general ventilation. The lead sheathing line includes a lead pot, dross pot, and lead press extruder.

(e) One (1) Lead stripper operation (ID #8), constructed in 1986, with a maximum capacity to strip 18.0 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter (ID CC#8), then exhausting to general ventilation (GV).

(f) No. 8 Rewind Line (ID# 9a), constructed in 1967, with a maximum capacity of 2,628 tons of wire per year, with no emission controls and exhausting to general ventilation (GV). This line is equipped with three (3) organic solvent wash pots which exhaust without control through stack ID# SS-51.

(g) Two (2) Stranding Lines, identified as 37 & 61, constructed in 1967, each with a maximum capacity of 8760 tons of wire per year, with no emission controls, and exhausting to general ventilation (GV).

(h) Five (5) Continuous Vulcanization (CV) Lines (ID# CV-1 - CV-5), with no emission controls, and exhausting to general ventilation (GV). CV-1, CV-2, CV-4 and CV-5 were constructed in 1967; CV-3 was constructed in 1997. Each of these lines is equipped with an insulation shield extruder, strand shield extruder, and a main extruder. The maximum yearly polymer extrusion capacity (tons/yr) of each line is as follows: CV-1=2,628.0; CV-2=1,163.6; CV-3=846.3; CV-4=1,327.3; and CV-5=1,971.0.

(i) One (1) Continuous Corrugated Weld (CCW) Line, constructed in 2010, with a maximum throughput of 40 feet per minute (fpm) using 0.030 inch aluminum, using no controls, and exhausting inside the building, consisting of the following equipment:

(1) One (1) TIG welder, identified as Tape Material End Welding Station;

(2) One (1) TIG welder, identified as Weld box;

(3) One (1) wash pot using Cerfa-Kleen 5387, a non-solvent, non-HAP containing cleaner that cleans the cable;

(4) One (1) corrugator station that corrugates the aluminum sheath cable; and

(5) One (1) wash pot using Cerfa-Kleen 5387, a non-solvent, non-HAP containing cleaner for a final cleaning.

(j) One (1) Lead stripper, identified as ESP Lead Stripper, installed in 2011, with a maximum capacity to strip 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, exhausting indoors to general ventilation (GV).

(k) Four (4) Cold Cleaner Degreasers, identified as PW-1 through PW-4, installed in 1995, with a maximum total throughput of 70 gallons per year, using no control, exhausting indoors.

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-1.1-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-1.1-1) shall prevail.

B.2 Permit Term [326 IAC 2-6.1-7(a)][326 IAC 2-1.1-9.5][IC 13-15-3-6(a)]

(a) This permit, M053-28045-00001, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Annual Notification [326 IAC 2-6.1-5(a)(5)]

(a) An annual notification shall be submitted by an authorized individual to the Office of Air Quality stating whether or not the source is in operation and in compliance with the terms and conditions contained in this permit.

(b) The annual notice shall be submitted in the format attached no later than March 1 of each year to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.9 Preventive Maintenance Plan [326 IAC 1-6-3]

(a) If required by specific condition(s) in Section D of this permit, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:

(1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;

(2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and

(3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

If, due to circumstances beyond the Permittee's control, the PMPs cannot be prepared and maintained within the above time frame, the Permittee may extend the date an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The Permittee shall implement the PMPs.

(b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions.

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.10 Prior Permits Superseded [326 IAC 2-1.1-9.5]

(a) All terms and conditions of permits established prior to M053-28045-00001 and issued pursuant to permitting programs approved into the state implementation plan have been either:

(1) incorporated as originally stated,

(2) revised, or

(3) deleted.

(b) All previous registrations and permits are superseded by this permit.

B.11 Termination of Right to Operate [326 IAC 2-6.1-7(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least one hundred twenty (120) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.12 Permit Renewal [326 IAC 2-6.1-7]

(a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) A timely renewal application is one that is:

(1) Submitted at least one hundred twenty (120) days prior to the date of the expiration of this permit; and

(2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-6.1 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-6.1-4(b), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.13 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

(a) Permit amendments and revisions are governed by the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

Indiana Department of Environmental Management
Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(c) The Permittee shall notify the OAQ no later than thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.14 Source Modification Requirement

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2.

B.15 Inspection and Entry
[326 IAC 2-5.1-3(e)(4)(B)][326 IAC 2-6.1-5(a)(4)][IC 13-14-2-2][IC 13-17-3-2][IC 13-30-3-1]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a permitted source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect, at reasonable times, any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor, at reasonable times, substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.16 Transfer of Ownership or Operational Control [326 IAC 2-6.1-6]

(a) The Permittee must comply with the requirements of 326 IAC 2-6.1-6 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

Indiana Department of Environmental Management

Permit Administration and Support Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

The application which shall be submitted by the Permittee does require an affirmation that the statements in the application are true and complete by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

(c) The Permittee may implement notice-only changes addressed in the request for a notice-only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.17 Annual Fee Payment [326 IAC 2-1.1-7]

(a) The Permittee shall pay annual fees due no later than thirty (30) calendar days of receipt of a bill from IDEM, OAQ,.

(b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.18 Credible Evidence [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to operate may be revoked for any of the following causes:

(a) Violation of any conditions of this permit.

(b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.

(c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.

(d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.

(e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-1 (Applicability) and 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

(b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.5 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator except as provided in 326 IAC 4-2 or in this permit. The Permittee shall not operate a refuse incinerator or refuse burning equipment except as provided in 326 IAC 9-1-2 or in this permit.

C.6 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140.

Testing Requirements [326 IAC 2-6.1-5(a)(2)]

C.8 Performance Testing [326 IAC 3-6]

(a) For performance testing required by this permit, a test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date.

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date.

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

Compliance Monitoring Requirements [326 IAC 2-6.1-5(a)(2)]

C.10 Compliance Monitoring [326 IAC 2-1.1-11]

Compliance with applicable requirements shall be documented as required by this permit. The Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. All monitoring and record keeping requirements not already legally required shall be implemented when operation begins.

C.11 Instrument Specifications [326 IAC 2-1.1-11]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

Corrective Actions and Response Steps

C.12 Response to Excursions or Exceedances

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

(a) The Permittee shall take reasonable response steps to restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing excess emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:

(1) initial inspection and evaluation;

(2) recording that operations returned or are returning to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to normal or usual manner of operation.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

(1) monitoring results;

(2) review of operation and maintenance procedures and records; and/or

(3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall record the reasonable response steps taken.

C.13 Actions Related to Noncompliance Demonstrated by a Stack Test

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.

(b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

Record Keeping and Reporting Requirements [326 IAC 2-6.1-5(a)(2)]

C.14 Malfunctions Report [326 IAC 1-6-2]

Pursuant to 326 IAC 1-6-2 (Records; Notice of Malfunction):

(a) A record of all malfunctions, including startups or shutdowns of any facility or emission control equipment, which result in violations of applicable air pollution control regulations or applicable emission limitations shall be kept and retained for a period of three (3) years and shall be made available to the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) or appointed representative upon request.

(b) When a malfunction of any facility or emission control equipment occurs which lasts more than one (1) hour, said condition shall be reported to OAQ, using the Malfunction Report Forms (2 pages). Notification shall be made by telephone or facsimile, as soon as practicable, but in no event later than four (4) daytime business hours after the beginning of said occurrence.

(c) Failure to report a malfunction of any emission control equipment shall constitute a violation of 326 IAC 1-6, and any other applicable rules. Information of the scope and expected duration of the malfunction shall be provided, including the items specified in 326 IAC 1-6-2(a)(1) through (6).

(d) Malfunction is defined as any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner. [326 IAC 1-2-39]

C.15 General Record Keeping Requirements [326 IAC 2-6.1-5]

(a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

(b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.

C.16 General Reporting Requirements [326 IAC 2-1.1-11] [326 IAC 2-6.1-2] [IC 13-14-1-13]

(a) Reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue

MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

(b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

(c) The first report shall cover the period commencing on the date of issuance of this permit or the date of initial start-up, whichever is later, and ending on the last day of the reporting period. Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit, “calendar year” means the twelve (12) month period from January 1 to December 31 inclusive.

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Boiler

(a) One (1) natural gas fired boiler (ID# B1), constructed in 1952, with a maximum heat input capacity of 48.0 million Btu per hour (MMBtu/hr), with no emission controls, and exhausting through stack SS-1.

(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.1.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the boiler, identified as #B1, shall be limited to 0.8 lbs PM/MMBtu heat input.

This limitation is based on the following equation:

$$Pt = \frac{C \times a \times h}{76.5 \times Q^{0.75} \times N^{0.25}}.$$

where

$C = 50\ u/m^3$
Pt = emission rate limit (lbs/MMBtu)
Q = total source heat input capacity (MMBtu/hr) = 48 MMBtu/hr.
N = number of stacks = 1.
a = plume rise factor (0.67)
h = stack height (ft)

Pursuant to 326 IAC 6-2-3 (d) (Particulate Emission Limitations for Sources of Indirect Heating); emission limitations for facilities specified in 326 IAC 6-2-1(b)), PM from boiler #B1, shall in no case exceed 0.8 pounds of particulate matter per million British thermal units (lb PM/MMBtu) heat input.

There are no Compliance Monitoring or Record Keeping Requirements for this emission unit.

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description: Manufacturing Operations

(b) One (1) North Lead line (ID #5), constructed in 1967, with a maximum capacity to extrude 3.3 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter (ID CC#5), then exhausting to general ventilation. The North lead line includes an adhesive application pot, a lead pot, a dross pot, two (2) polymer extruders, and a lead press extruder and has a maximum capacity to extrude 1,613.8 tons of polymers per year. The adhesive application pot exhausts without control through stack SS-50. The HEPA multi-cartridge filter (ID CC#5) is voluntary and is shared with the South Lead Line (ID #6). Stack SS-50 is shared with the South Lead Line (ID #6).

(c) One (1) South Lead Line (ID #6), constructed in 1967, with a maximum capacity to extrude 2.1 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter (ID CC#5), then exhausting to general ventilation. The South lead line includes an adhesive application pot, a lead pot, a dross pot, a polymer extruder, and a lead press extruder and has a maximum capacity to extrude 1,613.8 tons of polymers per year. The adhesive application pot exhausts without control through stack SS-50. The HEPA multi-cartridge filter (ID CC#5) is voluntary and is shared with the North Lead line (ID #5). Stack SS-50 is shared with the North Lead line (ID #5).

(d) One (1) Lead Sheathing Line, identified as ESP Lead Extruder, approved for construction in 2010, with a maximum capacity to extrude 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, then exhausting to general ventilation. The lead sheathing line includes a lead pot, dross pot, and lead press extruder.

(e) One (1) Lead stripper operation (ID #8), constructed in 1986, with a maximum capacity to strip 18.0 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter (ID CC#8), then exhausting to general ventilation (GV).

(f) No. 8 Rewind Line (ID# 9a), constructed in 1967, with a maximum capacity of 2,628 tons of wire per year, with no emission controls and exhausting to general ventilation (GV). This line is equipped with three (3) organic solvent wash pots which exhaust without control through stack ID# SS-51.

(g) Two (2) Stranding Lines, identified as 37 & 61, constructed in 1967, each with a maximum capacity of 8760 tons of wire per year, with no emission controls, and exhausting to general ventilation (GV).

(h) Five (5) Continuous Vulcanization (CV) Lines (ID# CV-1 - CV-5), with no emission controls, and exhausting to general ventilation (GV). CV-1, CV-2, CV-4 and CV-5 were constructed in 1967; CV-3 was constructed in 1997. Each of these lines is equipped with an insulation shield extruder, strand shield extruder, and a main extruder. The maximum yearly polymer extrusion capacity (tons/yr) of each line is as follows: CV-1=2,628.0; CV-2=1,163.6; CV-3=846.3; CV-4=1,327.3; and CV-5=1,971.0.

(i) One (1) Continuous Corrugated Weld (CCW) Line, constructed in 2010, with a maximum throughput of 40 feet per minute (fpm) using 0.030 inch aluminum, using no controls, and exhausting inside the building, consisting of the following equipment:

(1) One (1) TIG weld station, identified as Tape Material End Welding Station;

(2) One (1) TIG weld station, identified as Weld box;

(3) One (1) wash pot using Cerfa-Kleen 5387, a non-solvent, non-HAP containing cleaner that cleans the cable;

(4) One (1) corrugator station that corrugates the aluminum sheath cable; and

(5) One (1) wash pot using Cerfa-Kleen 5387, a non-solvent, non-HAP containing cleaner for a final cleaning.

(j) One (1) Lead stripper, identified as ESP Lead Stripper, installed in 2011, with a maximum capacity to strip 1.05 tons of lead per hour, with particulate emissions controlled by a HEPA multi-cartridge filter, exhausting indoors to general ventilation (GV).

(k) Four (4) Cold Cleaner Degreasers, identified as PW-1 through PW-4, installed in 1995, with a maximum total throughput of 70 gallons per year, using no control, exhausting indoors.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-6.1-5(a)(1)]

D.2.1 Particulate Limitations [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), particulate emissions (PM) shall be limited as shown in the table that follows:

Emission Unit (Control)	Process Weight Rate (tons/hr)	Allowable PM Emissions (326 IAC 6-3-2) (lb/hr)
North Lead Line, ID: #5 (CC#5)	3.3	9.12
South Lead Line, ID: #6 (CC#5)	2.1	6.74
Lead Sheathing Line	1.05	4.24
Lead Stripper, ID: #8 (CC#8)	18.0	28.4
CV-1	0.30	1.83
CV-2	0.13	1.06
CV-3	0.10	0.86
CV-4	0.15	1.16
CV-5	0.225	1.51
ESP Lead Stripper	1.05	4.24

The pound per hour limitation was calculated using the following equation:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$E = 4.10\ P^{0.67}$ Where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980:

(a) The Permittee of a cold cleaner degreaser shall ensure the following control equipment and operating requirements are met:

(1) Equip the degreaser with a cover.

(2) Equip the degreaser with a device for draining cleaned parts.

(3) Close the degreaser cover whenever parts are not being handled in the degreaser.

(4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases.

(5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).

(6) Store waste solvent only in closed containers.

(7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.

(b) The Permittee of a cold cleaner degreaser subject to this subsection shall ensure the following additional control equipment and operating requirements are met:

(1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent used is insoluble in, and heavier than, water.

(C) A refrigerated chiller.

(D) Carbon adsorption.

(E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.

(2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.

(3) If used, solvent spray:

(A) must be a solid, fluid stream; and

(B) shall be applied at a pressure that does not cause excessive splashing.

D.2.3 Preventive Maintenance Plan [326 IAC 1-6-3]

A Preventive Maintenance Plan is required for the North Lead line (#5), the South Lead line (#6), the Lead Sheathing Line, and the Lead Stripper (#8), ESP Lead Stripper. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

There are no Compliance Monitoring or Record Keeping Requirements for these emission units.

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH

MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION

This form should be used to comply with the notification requirements under 326 IAC 2-6.1-5(a)(5).

Company Name:	General Cable Industries, Inc.
Address:	440 East 8th Street
City:	Marion, Indiana 46953
Phone #:	(765) 664-2321
MSOP #:	M053-28045-00001

I hereby certify that General Cable Industries, Inc. is:
□ still in operation.
□ no longer in operation.

I hereby certify that General Cable Industries, Inc. is:
□ in compliance with the requirements of MSOP M053-28045-00001.
□ not in compliance with the requirements of MSOP M053-28045-00001.

Authorized Individual (typed):
Title:
Signature:
Date:

If there are any conditions or requirements for which the source is not in compliance, provide a narrative description of how the source did or will achieve compliance and the date compliance was, or will be achieved.

Noncompliance:

MALFUNCTION REPORT

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE AND ENFORCEMENT BRANCH
FAX NUMBER: (317) 233-6865

This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

THIS FACILITY MEETS THE APPLICABILITY REQUIREMENTS BECAUSE IT HAS POTENTIAL TO EMIT 25 TONS/YEAR PARTICULATE MATTER ?_____, 25 TONS/YEAR SULFUR DIOXIDE ?_____, 25 TONS/YEAR NITROGEN OXIDES?_____, 25 TONS/YEAR VOC ?_____, 25 TONS/YEAR HYDROGEN SULFIDE ?_____, 25 TONS/YEAR TOTAL REDUCED SULFUR ?_____, 25 TONS/YEAR REDUCED SULFUR COMPOUNDS ?_____, 25 TONS/YEAR FLUORIDES ?_____, 100 TONS/YEAR CARBON MONOXIDE ?_____, 10 TONS/YEAR ANY SINGLE HAZARDOUS AIR POLLUTANT ?_____, 25 TONS/YEAR ANY COMBINATION HAZARDOUS AIR POLLUTANT ?_____, 1 TON/YEAR LEAD OR LEAD COMPOUNDS MEASURED AS ELEMENTAL LEAD ?_____, OR IS A SOURCE LISTED UNDER 326 IAC 2-5.1-3(2) ?_____. EMISSIONS FROM MALFUNCTIONING CONTROL EQUIPMENT OR PROCESS EQUIPMENT CAUSED EMISSIONS IN EXCESS OF APPLICABLE LIMITATION _____.

THIS MALFUNCTION RESULTED IN A VIOLATION OF: 326 IAC _____ OR, PERMIT CONDITION # _____ AND/OR PERMIT LIMIT OF _____

THIS INCIDENT MEETS THE DEFINITION OF "MALFUNCTION" AS LISTED ON REVERSE SIDE ? Y N

THIS MALFUNCTION IS OR WILL BE LONGER THAN THE ONE (1) HOUR REPORTING REQUIREMENT ? Y N

COMPANY:_____PHONE NO. ( )_____
LOCATION: (CITY AND COUNTY)_____
PERMIT NO. _____ AFS PLANT ID: _____ AFS POINT ID: _____ INSP:_____
CONTROL/PROCESS DEVICE WHICH MALFUNCTIONED AND REASON:_____
_____

DATE/TIME MALFUNCTION STARTED: _____/_____/ 20____ _____ AM / PM

ESTIMATED HOURS OF OPERATION WITH MALFUNCTION CONDITION: _____

DATE/TIME CONTROL EQUIPMENT BACK-IN SERVICE_____/_____/ 20____ _____ AM/PM

TYPE OF POLLUTANTS EMITTED: TSP, PM-10, SO2, VOC, OTHER:_____

ESTIMATED AMOUNT OF POLLUTANT EMITTED DURING MALFUNCTION: _____
_____

MEASURES TAKEN TO MINIMIZE EMISSIONS:_____
_____

REASONS WHY FACILITY CANNOT BE SHUTDOWN DURING REPAIRS:

CONTINUED OPERATION REQUIRED TO PROVIDE ESSENTIAL* SERVICES:_____
CONTINUED OPERATION NECESSARY TO PREVENT INJURY TO PERSONS:_____
CONTINUED OPERATION NECESSARY TO PREVENT SEVERE DAMAGE TO EQUIPMENT:_____
INTERIM CONTROL MEASURES: (IF APPLICABLE)_____
_____
_____

MALFUNCTION REPORTED BY:_____TITLE:_____
(SIGNATURE IF FAXED)

MALFUNCTION RECORDED BY:_____DATE:_____TIME:_____
*SEE PAGE 2

Please note - This form should only be used to report malfunctions applicable to Rule 326 IAC 1-6 and to qualify for the exemption under 326 IAC 1-6-4.

326 IAC 1-6-1 Applicability of rule

Sec. 1. This rule applies to the owner or operator of any facility required to obtain a permit under 326 IAC 2-5.1 or 326 IAC 2-6.1.

326 IAC 1-2-39 "Malfunction" definition

Sec. 39. Any sudden, unavoidable failure of any air pollution control equipment, process, or combustion or process equipment to operate in a normal and usual manner.

***Essential services** are interpreted to mean those operations, such as, the providing of electricity by power plants. Continued operation solely for the economic benefit of the owner or operator shall not be sufficient reason why a facility cannot be shutdown during a control equipment shutdown.

If this item is checked on the front, please explain rationale:

_____
_____

Appendix A: Emission Calculations
Emissions Summary

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

Unlimited Potential to Emit of Entire Source (tons/yr)											
Emission Unit	**PM**	**PM10**	**PM2.5**	**SO2**	**NOx**	**VOC**	**CO**	**Co2e**	**Total HAPs**	**Single HAP**	
Boiler #B1 Natural Gas	0.39	1.57	1.57	0.12	20.61	1.13	17.31	24884.65	0.39	0.37	Hexane
Lead Lines North & South	36.09	36.09	36.09	-	-	8.48	-	-	2.48	2.33	Toluene
ESP Lead Extruder	7.36	7.36	7.36	-	-	-	-	-	2.30	2.30	Lead
Lead Stripper	13.32	13.32	13.32	-	-	-	-	-	0.02	0.02	Lead
ESP Lead stripper	0.78	0.78	0.78	-	-	-	-	-	0.001	0.001	Lead
Extrusion	1.92	1.92	1.92	-	-	1.02	-	-	8.56	8.56	Acetophenone
Degreasers	-	-	-	-	-	0.23	-	-	-	-	-
CCW Line	0.05	0.05	0.05	-	-	-	-	-	0.0044	0.0044	Manganese
Total	**59.91**	**61.09**	**61.09**	**0.12**	**20.61**	**10.87**	**17.31**	**24884.65**	**13.76**	**8.56**	**Acetophenone**

Appendix A: Emission Calculations
Lead Lines

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

Lead Lines

Facility Description	Control Device	Control Efficiency (%)	Max. Capacity (tons/hr)	Stack ID	Max. Production (tons/yr)
(a) North Lead Line (ID # 5)	CC#5	95.00%	3.3	SS-50 *	28,908
(b) South Lead Line (ID # 6)	CC#5	95.00%	2.1	SS-50 **	18,396

Emissions

	North Lead Line (#5)			South Lead Line (#6)			**Total Uncontrolled Emissions (ton/yr)**	**Total Controlled Emissions (ton/yr)**
Pollutant	Emission Factor (lb/ton)	Uncontrolled Emissions (ton/yr)	Controlled Emissions (ton/yr)	Emission Factor (lb/ton)	Uncontrolled Emissions (ton/yr)	Controlled Emissions (ton/yr)		
PM	1.526	22.06	1.10	1.526	14.04	0.70	**36.09**	**1.80**
PM_{10}	1.526	22.06	1.10	1.526	14.04	0.70	**36.09**	**1.80**
$PM_{2.5}$	1.526	22.06	1.10	1.526	14.04	0.70	**36.09**	**1.80**
Lead (Pb)	0.0102	0.15	0.01	0.0008	0.01	0.00	**0.15**	**0.01**
VOC **		5.65			2.83		**8.48**	**8.48**

Notes: 1) PM and PM_{10} emission factors for Lead lines are based on the stack test performed on September 1995 at this facility, because no testing for these pollutants was conducted in 2000 or later.
2) Lead (Pb) emission factors for Lead lines are based on the stack test performed on August 23, 1999 at this facility, because no testing for this pollutant was conducted in 2004 or later.
* Emissions from the organic solvent wash pot & the adhesive application pot exhaust to SS-50; all other emission points on the North lead line exhaust to the HEPA cartridge (CC#5) and are then vented indoors.
** Emissions from the organic solvent wash pot & the adhesive application pot exhaust to SS-50; all other emission points on the South lead line exhaust to the HEPA cartridge (CC#6) and are then vented indoors.

Methodology:
Potential Emissions tons/yr = Emission factor (lb/ton) x maximum capacity (tons/hr) / 2000 lb/ton x 8760 hrs/yr
VOC emissions from the organic solvent wash pot & the adhesive application pot are assumed to be 100%.

Above information is from permit No. 053-29826-00001, issued on November 17, 2013.

Appendix A: Emission Calculations
ESP Lead Extruder

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

Lead Line	Maximum Capacity (ton/hr)	Control Efficiency %
ESP Lead Extruder	1.05	95.00%

	ESP Lead Extruder**			
Pollutant	Emission Factor (lb/ton)	Uncontrolled Emissions (lb/hr)	Uncontrolled Emissions (ton/yr)	Controlled Emissions (ton/yr)
PM*	1.60	1.68	7.36	0.37
PM10*	1.60	1.68	7.36	0.37
PM2.5*	1.60	1.68	7.36	0.37
Lead (Pb)**	0.50	0.53	2.30	0.11

Methodology

* PM/PM10/PM2.5 emission factors for North and South lead lines based on stack testing that was performed on September 1995, at this facility and have been conservatively overestimated.
** Lead Emission Factors from AP-42 Chapter 12-17, Table 12-17-2 (SCC 3-04-040-01)
Uncontrolled Emissions (lb/hr) = Maximum Capacity (ton/hr) x Emission Factor (lb/ton)
Uncontrolled Emissions (ton/yr) = Uncontrolled Emissions (lb/hr) x 1/2000 (ton/lbs) x 8,760 (hrs/yr)
Controlled Emissions (ton/yr) = Uncontrolled Emissions (ton/yr) x (1-% Control Efficiency)

Above information is from permit No. 053-29826-00001, issued on November 17, 2010.

Appendix A: Emission Calculations
Lead Stripper

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

Facility Description	Control Device	Control Efficiency (%)	Max. Capacity (tons/hr)	Stack ID	Max. Amount Stripped (tons/yr)
One (1) lead stripper (ID # 8)	CC#8	95.00%	18	N/A *	78.84

Emissions

Pollutant	Stripper			Total Uncontrolled Emissions (ton/yr)	Total Controlled Emissions (ton/yr)
	Emission Factor (lb/ton)	Uncontrolled Emissions (ton/yr)	Controlled Emissions (ton/yr)		
PM	0.169	13.32	1.33	13.32	1.33
PM_{10}	0.169	13.32	1.33	13.32	1.33
$PM_{2.5}$	0.169	13.32	1.33	13.32	1.33
HAP (Pb)	0.00029	0.02	0.0023	0.02	0.002
VOC **	n/a	negl.	negl.	negl.	negl.

Notes: 1) PM and PM_{10} emission factors for Lead lines are based on the stack test performed on September 1995 at this facility, because no testing for these pollutants was conducted in 2000 or later.
2) Lead (Pb) emission factors for Lead lines are based on the stack test performed on August 23, 1999 at this facility, because no testing for this pollutant was conducted in 2004 or later.
3) Lead (Pb) emission factor for Lead stripper is based on the stack test performed on November 9, 1999 at this facility, because no testing for this pollutant was conducted in 2004 or later.
VOC emissions from the lead stripper do not contain any other HAP; lead is the only HAP that is emitted.
** Emissions from the solvent wash pot exhaust to SS-52; all other emission points on the lead stripper line exhaust to the HEPA cartridge (CC#8) and are then vented indoors.

Methodology:
Potential Emissions tons/yr = Emission factor (lb/ton) x maximum capacity (tons/hr) / 2000 lb/ton x 8760 hrs/yr

Above information is from permit No. 053-29826-00001, issued on November 17, 2010.

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

UNCONTROLLED POTENTIAL EMISSIONS

Facility / Operatioin	Lead Stripper	Lead Lines	**Total**
	tons/yr	tons/yr	tons/yr
HAP Pollutant			
Lead	0.02	0.15	0.18
Toluene	0.00	2.33	2.33
Total HAPs (tons/yr)	0.02	2.48	**2.51**
Highest Individual HAP =	Lead	Toluene	

Methodology:
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Above information is from permit No. 053-29826-00001, issued on November 17, 2013.

Appendix A: VOC Fugitive Emission
Extrusion

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

PTE from Polymer Extrusion

Process	Max. Throughput (tons/yr)	General Ventilation (GV)		General Ventilation (GV)		General Ventilation (GV)	
		PM Emission Factor (lb/ton)	PM Emissions (ton/yr)	VOC Emission Factor (lb/ton)	VOC Emissions (ton/yr)	Acetophenone EF (lb/ton)	Acetophenone Emissions (ton/yr)
CV-1*	2,628.0	0.4844	0.64	0.2563	0.34	0.001078	2.83
CV-2	1,163.6	0.4844	0.28	0.2563	0.15	0.001078	1.25
CV-3	846.3	0.4844	0.20	0.2563	0.11	0.001078	0.91
CV-4	1,327.3	0.4844	0.32	0.2563	0.17	0.001078	1.43
CV-5*	1,971.0	0.4844	0.48	0.2563	0.25	0.001078	2.12
Total Potential Emissions:			**1.92**		**1.02**		**8.56**

Note:
Emissions are the result of extrusion of a polymer coating over copper wire which has been prepared by the stranding and rewind lines.
CV = Continuous vulcanization.
* The capacity of CV-1 has increased from 1949.4 tons/year. The capacity of CV-5 has increased from 1144.6 tons/yr.
Methodologu:
Acetophenone Emission Factor was provided by source.
PM and VOC Emission Factors are from "Development of Emission Factors for Polyethylene Processing," Journal of the Air and Waste Management Association, Volume 46, June 1996.

Above information is from permit No. 053-29826-00001, issued on November 17, 2013.

Appendix A: Emissions Calculations

Welding for CCW Line

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
WELDING				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Tungsten Inert Gas (TIG)	2	1		0.0055	0.0005			0.011	0.001	0.000	0	0.001
EMISSION TOTALS												
Potential Emissions lbs/hr								0.01	1.000E-03	0.00	0.00	0.00
Potential Emissions lbs/day								0.26	0.02	0.00	0.00	0.02
Potential Emissions tons/year								0.05	4.380E-03	0.00	0.00	4.380E-03

Methodology:

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.

Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)

Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day

Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lbs.

Appendix A: Emissions Calculations
Natural Gas Combustion Only
Boiler 1

Company Name: General Cable Industries, Inc.
Address City IN Zip: 440 East 8th Street, Marion, IN 46953
Permit Number: 053-33006-00001
Plt ID: 053-00001
Reviewer: Renee Traivaranon
Date: May 15, 2013

Heat Input Capacity MMBtu/hr	HHV mmBtu / mmscf	Potential Throughput MMCF/yr
48.0	1020	412.2

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	7.6	0.6	100 **see below	5.5	84
Potential Emission in tons/yr	0.4	1.6	1.6	0.1	20.6	1.1	17.3

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
PM2.5 emission factor is filterable and condensable PM2.5 combined.
**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	**Total - Organics**
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	4.328E-04	2.473E-04	1.546E-02	3.710E-01	7.008E-04	**3.879E-01**

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	**Total - Metals**
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.031E-04	2.267E-04	2.886E-04	7.832E-05	4.328E-04	**1.130E-03**
					Total HAPs	**3.890E-01**
					Worst HAP	**3.710E-01**

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Greenhouse Gas Calculations

	Greenhouse Gas		
	CO2	CH4	N2O
Emission Factor in lb/MMcf	120,000	2.3	2.2
Potential Emission in tons/yr	24,734	0.5	0.5
Summed Potential Emissions in tons/yr	24,735		
CO2e Total in tons/yr	24,885		

Methodology
The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low Nox burner is 0.64.
Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.
Global Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O Potential Emission ton/yr x N2O GWP (310).

Appendix A: Emission Calculations
ESP Lead Stripper

Company Name: **General Cable Industries, Inc.**
Address City IN Zip: **440 East 8th Street, Marion, IN 46953**
Permit Number: **053-33006-00001**
Plt ID: **053-00001**
Reviewer: **Renee Traivaranon**
Date: **May 15, 2013**

Facility Description	Max. Capacity (lbs/hr)	Max. Capacity (tons/hr)	326 IAC 6-3-2 Limits (lbs/hr)
ESP Lead stipper	3000	1.05	4.24

Methodology:
326 IAC 6-3-2 Limits = 4.10 * (maximum capacity tons/yr)^0.67

Emissions

Pollutant	Emission Factor (lb/ton)	Uncontrolled Potential Emissions (lbs/hr)	Uncontrolled Potential Emissions (ton/yr)
PM	0.169	0.18	0.78
PM_{10}	0.169	0.18	0.78
$PM_{2.5}$	0.169	0.18	0.78
HAP (Pb)	0.00029	0.00	0.0013
VOC **	n/a	negl.	negl.

Methodology:
Uncontrolled Potential Emissions lbs/hr = Emission factor (lb/ton) x maximum capacity (tons/hr)
Uncontrolled Potential Emissions tons/yr = potential emissions lb/hr / 2000 lb/ton x 8760 hrs/yr

Note:
Emission factors provide by the source from the testing based on the following test dates:
PM, PM10 emissions factors for the lead lines are based on the stack test performed on September 1995 at this source.
Lead (Pb) emission factor for the lead stripper is based on the stack test performed on Nov 9, 1999 at this source.

Appendix A: Emissions Calculations
Degreasers

Company Name: **General Cable Industries, Inc.**
Address City IN Zip: **440 East 8th Street, Marion, IN 46953**
Permit Number: **053-33006-00001**
Reviewer: **Renee Traivaranon**
Date: **May 15, 2013**

Emission units	Density (Lb/Gal)	Weight % Organics	Volume % Water	Throughput of Solvent (Gals/yr)	Potential VOC (pounds per year)	Potential VOC (tons per year)
PW-1	6.7	100.0%	0.0%	10.0	67.00	0.03
PW-2			0.0%	60.0	402.00	0.20
PW-3			0.0%			
PW-4			0.0%			
				Total:	**469.00**	**0.23**

Note:
The annual throughput of solvent, provided by the source was 7 gallons per year for all units in 2012.
The conservative amount (annual throughput times ten) was used for the above calculation.

METHODOLOGY
Potential VOC (Pounds per year) = Annual throughput of solvent (gals/year) * density (lbs/gal)
Potential VOC Tons per year) = Annual throughput of solvent (gals/year) * density (lbs/gal)/2000 (lbs/ton)

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Michael R. Pence
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
Toll Free (800) 451-6027
www.idem.IN.gov

SENT VIA U.S. MAIL: CONFIRMED DELIVERY AND SIGNATURE REQUESTED

TO: David Mooney
General Cable Industries, Inc.
440 East 8th Street
Marion, IN 46953

DATE: May 17, 2013

FROM: Matt Stuckey, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Administrative Amendment
053-33006-00001

Enclosed is the final decision and supporting materials for the air permit application referenced above. Please note that this packet contains the original, signed, permit documents.

The final decision is being sent to you because our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person.

A copy of the final decision and supporting materials has also been sent via standard mail to:
Brandon Snoddy – M3V, LLC
OAQ Permits Branch Interested Parties List

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178, or toll-free at 1-800-451-6027 (ext. 3-0178), and ask to speak to the permit reviewer who prepared the permit. If you think you have received this document in error, please contact Joanne Smiddie-Brush of my staff at 1-800-451-6027 (ext 3-0185), or via e-mail at jbrush@idem.IN.gov.

Mail Code 61-53

IDEM Staff	GHOTOPP 5/17/2013 General Cable Industries, Inc. 053-33006-00001 Final		AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender	▶	Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: **CERTIFICATE OF MAILING ONLY**

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee Remarks
1		David Mooney General Cable Industries, Inc. 440 East 8th St Marion IN 46953 (Source CAATS) via confirmed delivery									
2		Michael Kwasiborski Plant Mgr General Cable Industries, Inc. 440 East 8th St Marion IN 46953 *(RO CAATS)*									
3		Marion City Council and Mayors Office 301 S. Branson Street Marion IN 46952-4052 *(Local Official)*									
4		Grant County Commissioners 401 South Adams Marion IN 46953 *(Local Official)*									
5		Ms. Mary Shipley 10968 E 100 S Marion IN 46953 *(Affected Party)*									
6		Grant County Health Department 401 S. Adams St, Courthouse Complex Marion IN 46953-2031 *(Health Department)*									
7		Mr. Thomas Lee Clevenger 4005 South Franks Lane Selma IN 47383 *(Affected Party)*									
8		Brandon Snoddy M3V, LLC 11925 East 65th Street Indianapolis IN 46236 *(Consultant)*									
9											
10											
11											
12											
13											
14											
15											

Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is $50,000 per piece subject to a limit of $50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is $500. The maximum indemnity payable is $25,000 for registered mail, sent with optional postal insurance. See ***Domestic Mail Manual*** **R900, S913**, and **S921** for limitations of coverage on inured and COD mail. See ***International Mail Manual*** for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
7			

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