



TO: Interested Parties / Applicant

RE: General Cable Corporation
Registration Revision 097-22817-00185

FROM: Felicia A. Robinson
Manager of Environmental Planning

Notice of Decision: Approval - Registration

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 IC 4-21.5-3-4(d) this order is effective when it is served. When served by U.S. mail, the order is effective three (3) calendar days from the mailing of this notice pursuant to IC 4-21.5-3-2(e).

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, Room 1049, Indianapolis, IN 46204, **within eighteen (18) calendar days of 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 Indianapolis Office of Environmental Services, Air Permits at (317) 327-2234.

Enclosures



Air Quality Hotline: 317-327-4AIR | knozone.com

Department of Public Works
Office of Environmental Services

2700 Belmont Avenue
Indianapolis, IN 46221

317-327-2234
Fax 327-2274
TDD 327-5186
indygov.org/dpw



May 3, 2006

Mr. Dennis Summerlot
General Cable Corporation
7950 Rockville Rd.
Indianapolis, Indiana 46214

CERTIFIED MAIL 7000 0600 0023 5186 5829

Re: **R097-22817-00185**
Revised Registered Construction and Operation
Status, **R097-12917-00185**

Dear Mr. Summerlot:

The application from General Cable Corporation received on March 10, 2006, has been reviewed. Based on the data submitted and the provisions in 326 IAC 2-5.5, it has been determined that the following stationary source, which produces insulation for high voltage outdoor electrical wire, located at 7950 Rockville Road, Indianapolis, Indiana 46214, is classified as registered:

- (a) Line 1 Peroxide Pellet Cooling, identified as emissions unit WEI-12, constructed in June 1988, with particulate matter emissions controlled by a Witte Bag filter, which exhausts out one stack identified as stack ID E1-12. This system has a maximum operating capacity of 0.82 tons per hour.
- (b) Line 1 Central Vacuum System identified as emission unit ID SP-1, constructed in 1982, with particulate matter emissions controlled by a Spenser Turbine Baghouse, which exhausts out one stack identified as stack ID CSP-1. This system has a maximum operating capacity of 0.25 tons per hour. This unit was covered under previous operating permit certificate number 185-01.
- (c) Line 2 Central Vacuum System identified as emission unit #2, constructed in June 1990, and controlled by a Spenser Turbine Baghouse. This system has a maximum operating capacity of 0.18 tons per hour and was covered under previous operating permit certificate number 185-02.
- (d) Line 3 Peroxide Pellet Cooling operation identified as emission unit #3, constructed in June 1988, and controlled by a Witte Baghouse. This system has a maximum operating capacity of 0.54 tons per hour and was covered under previous operating permit certificate number 185-3.
- (e) Line 1 & 2 Pressure Pot used for dense phase conveying system for lines 1 and 2 identified as emissions unit #4, constructed in September 1982, with particulate matter emissions controlled by a baghouse. This system has a maximum operating capacity of 1.64 tons per hour and was covered under previous operating permit certificate number 185-04.
- (f) Central ventilation which picks up dust from the clay bag baler system, the carbon bag handling system for dense conveying and air from minor unloading systems, identified as



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emission unit #5, constructed in June 1988, with particulate matter emissions controlled by a baghouse. This system has a maximum operating capacity of 0.18 tons per hour and was covered under previous operating permit certificate number 185-05.

- (g) Carbon Black Handling located in the compressor room, identified as emissions unit #6, constructed in June 1988, with particulate matter emissions controlled by a baghouse. This system has a maximum operating capacity is 0.34 tons/hr and was covered under previous operating permit certificate number 185-06.

The following conditions shall be applicable:

- (a) Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following:
 - (1) Opacity shall not exceed an average of thirty percent (30%) any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
 - (2) 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.
- (b) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the emission units listed in the table below shall not exceed the emission rate calculated using the following 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

The following table sets forth the current maximum process weight rate for specific emission units and the allowable rate of emissions calculated for that process weight rate.

	P = Current Max Process Weight Rate (tons/hr)	E = Calculated Rate of Emission (lb/hr)
Line 1 Buss Air Bed Baghouse	0.82	3.59
Line 2 Buss Air Bed Baghouse	0.82	3.59
Line 1 Spenser Turbine (SP-1)	0.25	1.62
Line 2 Spenser Turbine	0.18	1.29
Line 1 Witte Bag Filter (WEI-12)	0.82	3.59
Line 3 Witte Bag Filter	0.54	2.70
Line 1 & 2 Process Pot Filter	2.30	7.16
Central Dust Collector	0.18	1.29
Carbon Black Baghouse	0.34	2.00
Line 2 Witte Bag Filter	0.82	3.59

- (c) 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. If the process weight rate for any of these emission units

becomes 100 pounds per hour or greater, such unit shall be limited pursuant to the applicable equation in 326 IAC 6-3-2(e)(3).

- (d) Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), 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.

This registration is a revised registration issued to this source. The baghouse associated with emission unit SP-1 must operate at all times when SP-1 is in operation. The source shall operate according to 326 IAC 2-5.5.

An authorized individual shall provide an annual notice to the IDEM Office of Air Quality, OAQ, and City of Indianapolis, OES, that the source is in operation and in compliance with this registration pursuant to 326 IAC 2-5.5-4(a)(3). The annual notice shall be submitted to:

Compliance Data Section
Office of Air Quality
100 North Senate Avenue
Indianapolis, IN 46204-2251

and

Office of Environmental Services
Air Quality Management Section, Compliance Data Group
2700 South Belmont Avenue
Indianapolis, Indiana 46221

no later than March 1 of each year, with the annual notice being submitted in the format attached.

An application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) and OES if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

Sincerely,

Original Signed by Felicia A. Robinson

Felicia A. Robinson
Manager of Environmental Planning

cc: OES Files - 2 copies
OES Air Compliance
Marion County Health Dept.
IDEM, Mindy Hahn

Registration Annual Notification

This form should be used to comply with the notification requirements under 326 IAC 2-5.5-4(a)(3).

Company Name:	General Cable Corporation
Address:	7950 Rockville Rd.
City:	Indianapolis, Indiana 46214
Authorized individual:	Dennis Summerlot
Phone #:	(317) 233-2933
Registration #:	097-22817-00185

I hereby certify that General Cable Corporation is still in operation and is in compliance with the requirements of the Revised Registration 097-22187-00185.

Name (typed):
Title:
Signature:
Date:

**Indiana Department of Environmental Management
Office of Air Quality
and
City of Indianapolis
Office of Environmental Services**

Technical Support Document (TSD) for a Registration Revision

Source Background and Description

Source Name:	General Cable Corporation
Source Location:	7950 Rockville Rd., Indianapolis, Indiana 46214
County:	Marion
SIC Code:	3087
Registration No.:	R097-12917-00185
Registration Issuance Date:	January 17, 2003
Revised Revision No.:	R097-22817-00185
Permit Reviewer:	ERG/JR

The Indiana Department of Environmental Management (IDEM) Office of Air Quality (OAQ) and Indianapolis Office of Environmental Services (OES) have reviewed an application from General Cable Corporation relating to the operation of a stationary source which produces insulation for high voltage outdoor electrical wire.

History

General Cable Corporation was issued a Registration on January 17, 2003; the source submitted an application on March 10, 2006 to increase the hours of operation and actual weekly throughput. Potential emissions were calculated based on 8760 hr/yr in the original registration and for this revision. Therefore, there is no change in potential to emit for this source and no registration revision is required to reflect a change in the actual hours of operation. Actual PM emissions will increase by 0.06 tons/year (see Appendix A). Particulate limitations pursuant to 326 IAC 6-3-2 have been revised.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control equipment:

- (a) Line 1 Peroxide Pellet Cooling, identified as emissions unit WEI-12, constructed in June 1988, with particulate matter emissions controlled by a Witte Bag filter, which exhausts out one stack identified as stack ID E1-12. This system has a maximum operating capacity of 0.82 tons per hour.
- (b) Line 1 Central Vacuum System identified as emission unit ID SP-1, constructed in 1982, with particulate matter emissions controlled by a Spenser Turbine Baghouse, which exhausts out one stack identified as stack ID CSP-1. This system has a maximum operating capacity of 0.25 tons per hour. This unit was covered under previous operating permit certificate number 185-01.
- (c) Line 2 Central Vacuum System identified as emission unit #2, constructed in June 1990, and controlled by a Spenser Turbine Baghouse. This system has a maximum operating capacity of 0.18 tons per hour and was covered under previous operating permit certificate number 185-02.

- (d) Line 3 Peroxide Pellet Cooling operation identified as emission unit #3, constructed in June 1988, and controlled by a Witte Baghouse. This system has a maximum operating capacity of 0.54 tons per hour and was covered under previous operating permit certificate number 185-3.
- (e) Line 1 & 2 Pressure Pot used for dense phase conveying system for lines 1 and 2, identified as emissions unit #4, constructed in September 1982, with particulate matter emissions controlled by a baghouse. This system has a maximum operating capacity of 1.64 tons per hour and was covered under previous operating permit certificate number 185-04.
- (f) Central ventilation which picks up dust from the clay bag baler system, the carbon bag handling system for dense conveying and air from minor unloading systems, identified as emission unit #5, constructed in June 1988, with particulate matter emissions controlled by a baghouse. This system has a maximum operating capacity of 0.18 tons per hour and was covered under previous operating permit certificate number 185-05.
- (g) Carbon Black Handling located in the compressor room, identified as emissions unit #6, constructed in June 1988, with particulate matter emissions controlled by a baghouse. This system has a maximum operating capacity is 0.34 tons/hr and was covered under previous operating permit certificate number 185-06.

Existing Approvals

The source has been operating under the following previous approvals:

- (a) State Operating Permit issued November 17, 1995; and
- (b) Registration 097-12917-00185, issued January 17, 2003.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been revised in this Registration:

- (a) Condition (3) from Registration 097-12917-00185, issued January 17, 2003: Pursuant to 326 IAC 6-3-2(e)(2), the allowable particulate emissions rate 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. This condition is not federally enforceable.

Revised Condition:

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the emission units listed in the table below shall not exceed the emission rate calculated using the following equation:

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

The following table sets forth the current maximum process weight rate for specific emission units and the allowable rate of emissions calculated for that process weight rate.

	P = Current Max Process Weight Rate (tons/hr)	E = Calculated Rate of Emission (lb/hr)
Line 1 Buss Air Bed Baghouse	0.82	3.59
Line 2 Buss Air Bed Baghouse	0.82	3.59
Line 1 Spenser Turbine (SP-1)	0.25	1.62
Line 2 Spenser Turbine	0.18	1.29
Line 1 Witte Bag Filter (WEI-12)	0.82	3.59
Line 3 Witte Bag Filter	0.54	2.70
Line 1 & 2 Process Pot Filter	2.30	7.16
Central Dust Collector	0.18	1.29
Carbon Black Baghouse	0.34	2.00
Line 2 Witte Bag Filter	0.82	3.59

- (b) 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. If the process weight rate for any of these emission units becomes 100 pounds per hour or greater, such unit shall be limited pursuant to the applicable equation in 326 IAC 6-3-2(e)(3).

Reason Modified:

The previous registration did not include the allowable particulate emission rates pursuant to 326 IAC 6-3-2 for all of the source emission units. See the State Rule Applicability section of this document for more information.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Commissioner that the operation be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

A complete application for the purposes of this review was received on March 10, 2006.

Emission Calculations

See Appendix A page 1 of this document for detailed emissions calculations.

Potential To Emit of the Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emissions unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U. S. EPA, the department, or the appropriate local air pollution control agency.”

Pollutant	Potential to Emit (tons/yr)
PM	22.6
PM-10	22.6
SO ₂	0
VOC	0
CO	0
NO _x	0

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of all criteria pollutants is less than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-5.5. A registration will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-1.1-1(16)) a combination of HAPs is less than twenty-five (25) tons per year.
- (c) **Fugitive Emissions**
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive particulate matter (PM) and volatile organic compound (VOC) emissions are not counted toward determination of PSD and Emission Offset applicability.

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM10	Attainment
PM2.5	Nonattainment
SO ₂	Maintenance
NO _x	Attainment
1-hour Ozone	Maintenance
8-hour Ozone	Basic Nonattainment
CO	Attainment
Lead	Attainment

- (a) Marion County has been classified as nonattainment for PM2.5 in 70 FR 943 dated January 5, 2005. Until U.S. EPA adopts specific New Source Review rules for PM2.5 emissions, it has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (b) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Marion County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset 326 IAC 2-3.
- (c) Marion County has been classified as attainment or unclassifiable in Indiana for PM10, SO₂, NO₂, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.

Source Status

Existing Source PSD, Part 70, or FESOP Definition (emissions after controls, based on 8760 hours of operation per year at rated capacity and/or as otherwise limited):

Pollutant	Emissions (tons/year)
PM	0.29
PM10	0.29
SO ₂	0
VOC	0
CO	0
NO _x	0
Single HAP	0
Combination HAPs	0

- (a) This existing source is not a major stationary source because it is not in one of the 28 listed source categories and no regulated pollutant (under PSD) is emitted at a rate of 250 tons per year or greater.
- (b) This existing source is not a major stationary source because VOC emissions are less than 25 tons per year and all other nonattainment pollutants are emitted at a rate of less than 100 tons per year.
- (c) These emissions were based on the potential to emit calculations for the source as shown in Appendix A. Due to the nature of this manufacturing process (mixing and polymerizing) the only pollutants emitted by this source are PM and PM-10. There are no emission points emitting NO_x, SO₂, VOC, or HAPs.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source is not subject to the Part 70 Permit requirements because the potential to emit (PTE) of:

- (a) each criteria pollutant is less than 100 tons per year,
- (b) a single hazardous air pollutant (HAP) is less than 10 tons per year, and
- (c) any combination of HAPs is less than 25 tons/year.

This status is based on all the air approvals issued to the source.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit.
- (b) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP)(326 IAC 14, 20 and 40 CFR Part 61, 63) included in this permit.

State Rule Applicability – Entire Source

326 IAC 5-1 (Opacity Limitations)

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

- (a) Opacity shall not exceed an average of thirty percent (30%) 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.

326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (New Source Review)

General Cable Corporation is not considered one (1) of the twenty-eight (28) source categories. The source was issued Registration No.: 089-12917-00020 on January 17, 2003.

This source is located in Marion County, which is currently designated as an attainment area for NO₂, SO₂, PM, PM₁₀, CO and Lead, and as a nonattainment area for PM_{2.5} and the 8-hour ozone standard. The potential emissions of all pollutants for this source, including NO_x and VOC, are less than 25 tons per year. Therefore, this source remains a minor source under 326 IAC 2-2 (PSD), 326 IAC 2-3 (Emission Offset), and 326 IAC 2-1.1-5 (New Source Review).

326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The potential to emit of HAPs from the operation of this stationary insulation plant is less than ten (10) tons per year of a single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, the provisions of 326 IAC 2-4.1 do not apply.

326 IAC 2-6 (Emission Reporting)

This source is not subject to 326 IAC 2-6 (Emission Reporting) because it is not required to have an operating permit under 326 IAC 2-7 (Part 70 Permit Program).

326 IAC 6-4 (Fugitive Dust Emissions Limitations)

Pursuant to 326 IAC 6-4 (Fugitive Dust Emissions Limitations), 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.

326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations)

The provisions of 326 IAC 6-5 (Fugitive Particulate Matter Emission Limitations) were not included in this Registration for this source because the fugitive particulate matter emissions from the entire source are expected to be less than twenty-five (25) tons per year, the applicability threshold for 326 IAC 6-5-1(a)(See Appendix A). Also, pursuant to 326 IAC 6-5-1(b), fugitive particulate emissions are expected to be small for any of the units constructed after December 13, 1985.

State Rule Applicability – Individual Facilities

326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the emission units listed in the table below shall not exceed the emission rate calculated using the following equation:

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

The following table sets forth the current maximum process weight rate for specific emission units and the allowable rate of emissions calculated for that process weight rate.

Emission Unit	P = Current Max Process Weight Rate (tons/hr)	E = Calculated Rate of Emission (lb/hr)
Line 1 Buss Air Bed Baghouse	0.82	3.59
Line 2 Buss Air Bed Baghouse	0.82	3.59
Line 1 Spenser Turbine (SP-1)	0.25	1.62
Line 2 Spenser Turbine	0.18	1.29
Line 1 Witte Bag Filter (WEI-12)	0.82	3.59

Emission Unit	P = Current Max Process Weight Rate (tons/hr)	E = Calculated Rate of Emission (lb/hr)
Line 3 Witte Bag Filter	0.54	2.70
Line 1 & 2 Process Pot Filter	2.30	7.16
Central Dust Collector	0.18	1.29
Carbon Black Baghouse	0.34	2.00
Line 2 Witte Bag Filter	0.82	3.59

- (b) 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. If the process weight rate for any of these emission units becomes 100 pounds per hour or greater, such unit shall be limited pursuant to the applicable equation in 326 IAC 6-3-2(e)(3).

In order to comply with this limit, the baghouse associated with the emission unit SP-1 shall be in operations at all times SP-1 is in operation. Based on the calculations in Appendix A, all other emission units at this source meet the limits pursuant to 326 IAC 6-3-2 without the use of control.

Conclusion

The operation of this stationary source which produces insulation for high voltage outdoor electrical wire shall be subject to the conditions of the attached Revised Registration No. 097-22817-00185.

**Appendix A : Emission Calculations
Particulate Emissions**

Source Name: General Cable Corporation
Source Location: 7950 Rockville Rd.
County: Marion
SIC Code: 3087
Revised Registration No.: 097-22817-00185
Permit Reviewer: ERG/JR

Potential To Emit	Dust Collected (lbs)	Collection Time (hr)	Uncontrolled PTE of PM/PM10*		
			(lbs/hr)	(lbs/day)	(tons/yr)
Process Control					
Line 1 Buss Air Bed Baghouse	9.00	48.0	0.19	4.55	0.83
Line 2 Buss Air Bed Baghouse	5.00	48.0	0.11	2.53	0.46
Line 1 Spenser Turbine (SP-1)	40.00	24.0	1.68	40.4	7.37
Line 2 Spenser Turbine	0.00	24.0	0.00	0.00	0.00
Line 1 Witte Bag Filter (WEI-12)	2230	1560	1.44	34.7	6.32
Line 3 Witte Bag Filter	5.00	8.00	0.63	15.2	2.77
Line 1 & 2 Process Pot Filter	3.00	48.0	0.06	1.52	0.28
Central Dust Collector	9.00	24.0	0.38	9.09	1.66
Carbon Black Baghouse	3.00	48.0	0.06	1.52	0.28
Line 2 Witte Bag Filter	925	1560	0.60	14.4	2.62
Total	3229	3392	5.16	123.8	22.6

Methodology:

* Assume all PM Emissions are equal to PM10.

Uncontrolled PTE of PM/PM10 (tons/yr) = Dust Collected (lbs) / Collection Time (hr) * (24 hr/day) * (365 day/yr) / (2000 lb/ton) / 99% Collected

Actual Emissions	Maximum Throughput (lbs/wk)	Normal Operating (hr/wk)	Normal Operating Proposed (hr/wk)	Pursuant to 326 IAC 6-3-2		Baghouse Efficiency	Emissions Prior to Increased Hours		Emissions with Proposed Increased Hours	
				Maximum Capacity (tons/hr)	Allowable PM (lbs/hr)		Actual Emissions (lbs/hr)	Actual Emissions (tons/yr)	Actual Emissions (lbs/hr)	Actual Emissions (tons/yr)
Process Control										
Line 1 Buss Air Bed Baghouse	276000	120	168	0.821	3.59	0.99	0.0019	0.01	0.0027	0.0116
Line 2 Buss Air Bed Baghouse	276000	120	168	0.821	3.59	0.99	0.0011	0.00	0.0015	0.0065
Line 1 Spenser Turbine (SP-1)**	60000	120	120	0.250	1.62	0.99	0.0168	0.07	0.0168	0.0737
Line 2 Spenser Turbine	60000	120	168	0.179	1.29	0.99	0.0000	0.00	0.0000	0.0000
Line 1 Witte Bag Filter (WEI-12)	276000	120	168	0.821	3.59	0.99	0.0144	0.06	0.0202	0.0885
Line 3 Witte Bag Filter	180000	120	168	0.536	2.70	0.99	0.0063	0.03	0.0088	0.0387
Line 1 & 2 Process Pot Filter	552000	120	168	1.643	5.72	0.99	0.0006	0.00	0.0009	0.0039
Central Dust Collector	60000	120	168	0.179	1.29	0.99	0.0038	0.02	0.0053	0.0232
Carbon Black Baghouse	115200	120	168	0.343	2.00	0.99	0.0006	0.00	0.0009	0.0039
Line 2 Witte Bag Filter	276000	120	168	0.821	3.59	0.99	0.0060	0.03	0.0084	0.0367
Total					29.00		0.05	0.23	0.07	0.29

Methodology:

Maximum Capacity (tons/hr) = Maximum Throughput (lbs/wk) / Normal Operating (hrs/wk) / 2000 (lbs/ton)

Allowable PM (lbs/hr) = 4.1 * Maximum Capacity (tons/hr) ^ 0.67

Actual Emissions Prior to Increase Hours = Uncontrolled PM * (100% - Control Eff.)

Actual Emissions with Proposed Increase Hours = Uncontrolled PM * (100% - Control Eff.) * Normal Operating Proposed (hr/wk) / Normal Operating (hr/wk)

Due to the nature of the manufacturing process (mixing and polymerizing) the only pollutant emitted by this source is PM/PM10. There are no emission points emitting NOx, SO2, VOC, or HAPs.

**There is no increased hours/week of operation for this unit.