



Certified Mail: 7007 0710 0005 3965 8934

DATE: January 3, 2008

TO: Interested Parties / Applicant

RE: General Cable / M097-24822-00185

FROM: Felicia A. Robinson
Administrator

Notice of Decision: Approval - Effective Immediately

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 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted according to IC 13-15-6-3, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3 and IC 13-15-6-1 require 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 fifteen (15) calendar days of the receipt 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



**New Source Review and Minor Source Operating
 Permit
 INDIANA DEPARTMENT OF ENVIRONMENTAL
 MANAGEMENT
 OFFICE OF AIR QUALITY
 AND
 OFFICE OF ENVIRONMENTAL SERVICES**

**General Cable Corporation
 7950 Rockville Road
 Indianapolis, Indiana 46214**

(herein known as the Permittee) is hereby authorized to construct and 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 2-5.1, 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.: M097-24822-00185	
Issued by:	Issuance Date: January 3, 2008
Original Signed by Felicia A. Robinson	Expiration Date: January 3, 2013
Felicia A. Robinson, Administrator Indianapolis Office of Environmental Services	



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

**Department of Public Works
 Office of Environmental Services**

2700 Belmont Avenue | 317-327-2234
 Indianapolis, IN 46221 | Fax 327-2274
 TDD 327-5186
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SECTION A SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ) and Office of Environmental Services (OES). 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 a stationary source, which produces insulation for high voltage outdoor electrical wire..

Source Address:	7950 Rockville Road, Indianapolis, Indiana 46214
Mailing Address:	7950 Rockville Road, Indianapolis, Indiana 46214
General Source Phone Number:	(317) 273-2933
SIC Code:	3087
County Location:	Marion
Source Location Status:	Nonattainment for PM 2.5 standard Attainment for all other criteria pollutants
Source Status:	Minor Source Operating Permit Program Minor Source, under PSD and Nonattainment New Source Review (NSR) 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 source consists of the following emission units and pollution control devices:

- (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, exhausting out one stack identified as stack ID WEI-12. This system has a maximum operating capacity of 1.15 tons per hour.
- (b) Line 1 and Line 2 Central Vacuum Systems identified as emission units ID SP-1 and #2 respectively. Line 1 was constructed in 1982 and Line 2 was constructed in 1990. Each line uses a separate Spenser Turbine Baghouse for particulate matter emissions control, exhausting out stacks identified as stack ID CSP-1 and CSP-2 respectively Each system has a maximum operating capacity of 0.25 tons per hour. Only one system can be operated at a time.
- (c) Line 3 Peroxide Pellet Cooling operation identified as emission unit #3, constructed in June 1988, and controlled by a Witte Baghouse, exhausting out of one stack identified as stack ID #8 L3WBH. This system has a maximum operating capacity of 0.75 tons per hour.
- (d) 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, exhausting out of one stack identified as stack ID #10 L1&L2PF. This system has a maximum operating capacity of 2.30 tons per hour.
- (e) 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, exhausting out one stack identified as stack ID #6 CDC . This system has a maximum operating capacity of 0.25 tons per hour.

- (f) 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 0.48 tons/hr.
- (g) Line 1 Buss Air Bed Baghouse, identified as emission unit #7, constructed in June 1988, exhausting out one stack identified as stack ID #1 L1BA. This system has a maximum operating capacity of 1.15 tons/hr.
- (h) Line 2 Buss Air Bed Baghouse, identified as emission unit #8, constructed in June 1988, exhausting out one stack identified as stack ID #2 L2BA. This system has a maximum operating capacity of 1.15 tons/hr.
- (i) Line 2 Witte Bag Filter, identified as emission unit #9, constructed in 1991, exhausting out of one stack identified as stack ID #7 L2WBH. This system has a maximum operating capacity of 1.15 tons/hr.
- (j) One (1) Banbury Compounding Production Line, identified as emission unit BA, approved for construction in 2007, with a maximum capacity of 0.43 tons per hour, using a baghouse for particulate matter control, and exhausting to one (1) stack identified as stack ID #9A.

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 Revocation of Permits [326 IAC 2-1.1-9(5)]

Pursuant to 326 IAC 2-1.1-9(5)(Revocation of Permits), the Commissioner may revoke this permit if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.

B.3 Affidavit of Construction [326 IAC 2-5.1-3(h)] [326 IAC 2-5.1-4]

This document shall also become the approval to operate pursuant to 326 IAC 2-5.1-4 when prior to the start of operation, the following requirements are met:

- (a) The attached Affidavit of Construction shall be submitted to the Office of Air Quality (OAQ), verifying that the emission units were constructed as proposed in the application or the permit. The emission units covered in this permit may begin operating on the date the Affidavit of Construction is postmarked or hand delivered to IDEM if constructed as proposed.
- (b) If actual construction of the emission units differs from the construction proposed in the application, the source may not begin operation until the permit has been revised pursuant to 326 IAC 2 and an Operation Permit Validation Letter is issued.
- (c) The Permittee shall attach the Operation Permit Validation Letter received from the Office of Air Quality (OAQ) to this permit.

B.4 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, M097-24822-00185, 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 and OES, 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.5 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.6 Enforceability

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

B.7 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.8 Property Rights or Exclusive Privilege

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

B.9 Duty to Provide Information

- (a) The Permittee shall furnish to IDEM, OAQ and OES, within a reasonable time, any information that IDEM, OAQ and OES 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. The submittal by the Permittee does require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ and OES 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.10 Certification

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by an "authorized individual" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) An "authorized individual" is defined at 326 IAC 2-1.1-1(1).

B.11 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 46204-2251

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

(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 and OES on or before the date it is due.

B.12 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) within ninety (90) days after issuance of this permit, 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 Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The PMP extension notification does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) A copy of the PMPs shall be submitted to IDEM, OAQ and OES upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ and OES. IDEM, OAQ and OES 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 or potential to emit. The PMPs do not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (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.13 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to M097-24822-00185 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.14 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 ninety (90) days prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-6.1-7.

B.15 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 OES 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 the certification 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (b) A timely renewal application is one that is:
- (1) Submitted at least ninety (90) 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 and OES 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 and OES 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 in writing by IDEM, OAQ and OES any additional information identified as being needed to process the application.

B.16 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (c) The Permittee shall notify the OAQ within thirty (30) calendar days of implementing a notice-only change. [326 IAC 2-6.1-6(d)]

B.17 Source Modification Requirement

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

B.18 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, and OES 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.19 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
Permits Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The application which shall be submitted by the Permittee does require the certification 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.20 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to OES within thirty (30) calendar days of receipt of a billing.

- (b) The Permittee may call the following telephone numbers: 317-327-2234 (ask for OES, Air Compliance), to determine the appropriate permit fee.

B.21 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 Permit Revocation [326 IAC 2-1.1-9]

Pursuant to 326 IAC 2-1.1-9 (Revocation of Permits), this permit to construct and 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 and OES, the fact that continuance of this permit is not consistent with purposes of this article.

C.2 Opacity [326 IAC 5-1]

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, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of thirty percent (30%) 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.3 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.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 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.6 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.
- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
MC 61-52 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Asbestos Section
2700 South Belmont Avenue
Indianapolis, Indiana 46221

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three

(3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

C.7 Performance Testing [326 IAC 3-6]

- (a) Compliance testing on new emissions units shall be conducted within 60 days after achieving maximum production rate, but no later than 180 days after initial start-up, if specified in Section D of this approval. All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

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

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ and OES not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ and OES 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.8 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.9 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.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60, Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

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 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 take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ and OES, within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) 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.

The response action documents submitted pursuant to this condition do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

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

C.13 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.14 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 or OES makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner or OES within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.15 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 Data Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

and

Indianapolis Office of Environmental Services
Air Compliance
2700 South Belmont Avenue
Indianapolis, Indiana 46221

- (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 and OES on or before the date it is due.
- (c) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (d) The first report shall cover the period commencing on the date of issuance of this permit 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:

- (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, exhausting out one stack identified as stack ID WEI-12. This system has a maximum operating capacity of 1.15 tons per hour.
- (b) Line 1 and Line 2 Central Vacuum Systems identified as emission units ID SP-1 and #2 respectively. Line 1 was constructed in 1982 and Line 2 was constructed in 1990. Each line uses a separate Spenser Turbine Baghouse for particulate matter emissions control, exhausting out stacks identified as stack ID CSP-1 and CSP-2 respectively. Each system has a maximum operating capacity of 0.25 tons per hour. Only one system can be operated at a time.
- (c) Line 3 Peroxide Pellet Cooling operation identified as emission unit #3, constructed in June 1988, and controlled by a Witte Baghouse, exhausting out of one stack identified as stack ID #8 L3WBH. This system has a maximum operating capacity of 0.75 tons per hour.
- (d) 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, exhausting out of one stack identified as stack ID #10 L1&L2PF. This system has a maximum operating capacity of 2.30 tons per hour.
- (e) 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, exhausting out one stack identified as stack ID #6 CDC. This system has a maximum operating capacity of 0.25 tons per hour.
- (f) 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 0.48 tons/hr.
- (g) Line 1 Buss Air Bed Baghouse, identified as emission unit #7, constructed in June 1988, exhausting out one stack identified as stack ID #1 L1BA. This system has a maximum operating capacity of 1.15 tons/hr.
- (h) Line 2 Buss Air Bed Baghouse, identified as emission unit #8, constructed in June 1988, exhausting out one stack identified as stack ID #2 L2BA. This system has a maximum operating capacity of 1.15 tons/hr.
- (i) Line 2 Witte Bag Filter, identified as emission unit #9, constructed in 1991, exhausting out of one stack identified as stack ID #7 L2WBH. This system has a maximum operating capacity of 1.15 tons/hr.
- (j) One (1) Banbury Compounding Production Line, identified as emission unit BA, approved for construction in 2007, with a maximum capacity of 0.43 tons per hour, using a baghouse for particulate matter control, and exhausting to one (1) stack identified as stack ID #9A.

(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 Emissions Limitations for Manufacturing Processes [326 IAC 6-3]

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.

Emission Unit	P = Current Max Process Weight Rate (tons/hr)	E = Calculated Rate of Emission (lb/hr)
Line 1 and Line 2 Central Vacuum Systems, each line controlled by a separate Spenser Turbine Baghouse (emission unit SP-1 and #2)	0.250	1.62
Line 1 Peroxide Pellet Cooling controlled by Witte Bag Filter (emission unit WEI-12)	1.150	4.50
Line 3 Peroxide Pellet Cooling controlled by Witte Bag Baghouse (emission unit #3)	0.750	3.38
Line 2 Witte Bag Filter (emission unit #7)	1.150	4.50
Banbury Compounding Production Line controlled by baghouse (emission unit BA)	0.43	2.33

Compliance Determination Requirements

D.1.2 Particulate Matter

In order to comply with permit conditions D.1.1, the baghouses associated with emission units SP-1 and #2 shall be in operation at all times SP-1 and #2 are in operation.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
CITY OF INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES
MINOR SOURCE OPERATING PERMIT (MSOP)
CERTIFICATION**

Source Name: General Cable Corporation
Source Address: 7950 Rockville Road, Indianapolis, Indiana 46214
Mailing Address: 7950 Rockville Road, Indianapolis, Indiana 46214
MSOP Permit No.: M097-24822-00185

**This certification shall be included when submitting monitoring, testing reports/results
or other documents as required by this permit.**

Please check what document is being certified:

- Annual Compliance Notification
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
and
OFFICE OF ENVIRONMENTAL SERVICES**

**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 Corporation
Address:	7950 Rockville Road
City:	Indianapolis, Indiana 46214
Phone #:	(317) 273-2933
MSOP #:	M097-24822-00185

I hereby certify that General Cable Corporation is :

still in operation.

no longer in operation.

I hereby certify that General Cable Corporation is :

in compliance with the requirements of MSOP M097-24822-00185.

not in compliance with the requirements of MSOP M097-24822-00185.

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
FAX NUMBER - 317 233-6865
and
OFFICE OF ENVIRONMENTAL SERVICES

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:

Mail to: Office of Environmental Services
Air Permits
2700 South Belmont Avenue
Indianapolis, Indiana 46221

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

General Cable Corporation
7950 Rockville Road
Indianapolis, Indiana 46214

Affidavit of Construction

I, _____, being duly sworn upon my oath, depose and say:
(Name of the Authorized Representative)

1. I live in _____ County, Indiana and being of sound mind and over twenty-one (21) years of age, I am competent to give this affidavit.
2. I hold the position of _____ for _____.
(Title) (Company Name)
3. By virtue of my position with _____, I have personal
(Company Name)
knowledge of the representations contained in this affidavit and am authorized to make these representations on behalf of _____.
(Company Name)
4. I hereby certify that General Cable Corporation, 7950 Rockville Road, Indianapolis, Indiana 46214, completed construction of the a stationary source, which produces insulation for high voltage outdoor electrical wire. on in conformity with the requirements and intent of the construction permit application received by the Office of Air Quality on May 10, 2007 and as permitted pursuant to New Source Construction Permit and Minor Source Operating Permit No. M097-24822-00185, Plant ID No. 097-00185 issued on _____.
5. **Permittee, please cross out the following statement if it does not apply:** Additional (operations/facilities) were constructed/substituted as described in the attachment to this document and were not made in accordance with the construction permit.

Further Affiant said not.

I affirm under penalties of perjury that the representations contained in this affidavit are true, to the best of my information and belief.

Signature _____

Date _____

STATE OF INDIANA)
)SS

COUNTY OF _____)

Subscribed and sworn to me, a notary public in and for _____ County and State of Indiana
on this _____ day of _____, 20 _____. My Commission expires: _____.

Signature _____

Name _____ (typed or printed)

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
and
INDIANAPOLIS OFFICE OF ENVIRONMENTAL SERVICES**

Technical Support Document (TSD) for a New Source Review (NSR) and Minor Source
Operating Permit (MSOP) Transitioning from a Registered Source

Source Background and Description

Source Name:	General Cable Corporation
Source Location:	7950 Rockville Road, Indianapolis, IN 46214
County:	Marion
SIC Code:	3087
Operation Permit No.:	M097-24822-00185
Permit Reviewer:	Anh-tuan Nguyen

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 a stationary source, which produces insulation for high voltage outdoor electrical wire.

New Emission Units and Pollution Control Equipment

The source consists of the following new emission unit, which will be approved for construction in 2007.

- (a) One (1) Banbury Compounding Production Line, identified as emission unit BA, approved for construction in 2007, with a maximum capacity of 0.43 tons per hour, using a baghouse for particulate matter control, and exhausting to one (1) stack identified as stack ID #9A.

Permitted Emission Units and Pollution Control Equipment

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

- (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, exhausting out one stack identified as stack ID WEI-12. This system has a maximum operating capacity of 1.15 tons per hour.
- (b) Line 1 and Line 2 Central Vacuum Systems identified as emission units ID SP-1 and #2 respectively. Line 1 was constructed in 1982 and Line 2 was constructed in 1990. Each line uses a separate Spenser Turbine Baghouse for particulate matter emissions control, exhausting out stacks identified as stack ID CSP-1 and CSP-2 respectively. Each system has a maximum operating capacity of 0.25 tons per hour. Only one system can be operated at a time.
- (c) Line 3 Peroxide Pellet Cooling operation identified as emission unit #3, constructed in June 1988, and controlled by a Witte Baghouse, exhausting out of one stack identified as

- stack ID #8 L3WBH. This system has a maximum operating capacity of 0.75 tons per hour.
- (d) 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, exhausting out of one stack identified as stack ID #10 L1&L2PF. This system has a maximum operating capacity of 2.30 tons per hour.
 - (e) 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, exhausting out one stack identified as stack ID #6 CDC . This system has a maximum operating capacity of 0.25 tons per hour.
 - (f) 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 0.48 tons/hr.
 - (g) Line 1 Buss Air Bed Baghouse, identified as emission unit #7, constructed in June 1988, exhausting out one stack identified as stack ID #1 L1BA. This system has a maximum operating capacity of 1.15 tons/hr.
 - (h) Line 2 Buss Air Bed Baghouse, identified as emission unit #8, constructed in June 1988, exhausting out one stack identified as stack ID #2 L2BA. This system has a maximum operating capacity of 1.15 tons/hr.
 - (i) Line 2 Witte Bag Filter, identified as emission unit #9, constructed in 1991, exhausting out of one stack identified as stack ID #7 L2WBH. This system has a maximum operating capacity of 1.15 tons/hr.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Existing Approvals

The source has been operating under previous approvals including, but not limited to, the following:

- (a) State Operating Permit issued November 17, 1995;
- (b) Registration R097-12917-00185, issued January 17, 2003; and
- (c) Registration Revision R097-22817-00185 issued May 3, 2006.

All conditions from previous approvals were incorporated into this permit except the following:

- (a) Registration Revision R097-22817-00185 issued May 3, 2006

Condition 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

Reason not incorporated: Pursuant to 326 IAC 6-3-1(b)(14), manufacturing processes with the potential emissions less than five hundred fifty-one thousandths (0.551) pounds per hour of PM shall be exempt from 326 IAC 6-3. The Line 1 Buss Air Bed Baghouse, the Line 2 Buss Air Bed Baghouse, the Line 1 & 2 Process Pot Filter, the Central Dust Collector, and the Carbon Black Baghouse each have potential PM emissions less than 0.551 pounds per hour (See Appendix A pages 2). Therefore, 326 IAC 6-3 does not apply to those emission units.

Enforcement Issue

There are no enforcement actions pending.

Recommendation

The staff recommends to the Administrator that the construction and 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.

An application for the purposes of this review was received on May 10, 2007. Additional information was received on September 17, 2007.

Emission Calculations

See Appendix A (pages 1 through 3) of this document for detailed emission calculations.

Potential to Emit of the Source Before Controls

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	28.82
PM10	28.82
SO ₂	0.00
VOC	3.09
CO	0.00
NO _x	0.00

HAPs	Potential to Emit (tons/yr)
Lead	0.17
Total	less than 25

- (a) This source was initially issued a Registration, however due to the addition of the new Banbury Compounding Line, the potential to emit (as defined in 326 IAC 2-7-1(29)) of PM and PM10 is greater than 25 tons per year and less than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-6.1. An MSOP will be issued.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants is less than 100 tons per year. Therefore, the provisions of 326 IAC 2-7 do not apply. An MSOP will be issued.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is less than ten (10) tons per year and the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is less than twenty-five (25) tons per year.
- (d) The potential to emit (as defined in 326 IAC 2-7-1(29)) of lead is less than twenty-five (25) tons per year and this type of source is not specifically identified in 326 IAC 2-2-1(gg)(3). Therefore, this source is not considered a major source. The provisions of 326 IAC 2-2 do not apply. An MSOP will be issued.

County Attainment Status

The source is located in Marion County.

Pollutant	Status
PM2.5	non-attainment
PM10	attainment
SO ₂	maintenance attainment
NO ₂	attainment
8-hour Ozone*	attainment
CO	attainment
Lead	attainment

*Note: On November 8, 2007 the Indiana Air Pollution Control Board finalized a temporary emergency rule to redesignate Clark, Floyd, Elkhart, St. Joseph, LaPorte, Boone, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, and Shelby Counties as attainment for the 8-hour ozone standard.

- (a) 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 emissions and NOx emissions are considered when evaluating the rule applicability relating to ozone.

On November 8, 2007, a temporary emergency rule took effect redesignating Marion County to attainment for the eight-hour ozone standard. The Indiana Air Pollution Control Board has begun the process for a permanent rule revision to incorporate these changes into 326 IAC 1-4-1. The permanent revision to 326 IAC 1-4-1 should take effect prior to

the expiration of the emergency rule. Therefore, VOC emissions and NOx 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.

- (b) 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 a surrogate for PM2.5 emissions, pursuant to the Non-attainment New Source Review requirements. See the State Rule Applicability for the source section.
- (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.
- (d) Since this type of operation is not one of the 28 listed source categories under 326 IAC 2-2 or 2-3 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.
- (e) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 revoking the one-hour ozone standard in Indiana.

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/yr)
PM	28.82
PM10	28.82
SO ₂	0.0
VOC	3.09
CO	0.0
NO _x	0.0
Single HAP (lead)	0.17
Combination HAPs	0.17

- (a) This source (transitioning from a Registration to an MSOP) is not major because lead is not emitted at a rate of 25 tons per year or greater, no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater, and no nonattainment regulated pollutant is emitted at a rate of 100 tons per year or greater and it is not in one of the 28 listed source categories.
- (b) These emissions were based on information provided in the permit application.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this permit M097-24822-00185, is still 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 per year.

This status is based on all the air approvals issued to the source. This status has been verified by the OES inspector assigned 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 MSOP permit.
- (b) The requirements of the New Source Performance Standard for Volatile Organic Compound (VOC) Emissions from the Polymer Manufacturing, 40 CFR Part 60.560, Subpart DDD are not included in the permit because the source does not manufacture polypropylene, polyethylene, polystyrene, or poly (ethylene terephthalate).
- (c) There are no National Emission Standards for Hazardous Air Pollutants (NESHAP) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included in this MSOP permit.
- (d) This source is not subject to the National Emission Standard for Hazardous Air Pollutants (NESHAP), 326 IAC 14, 40 CFR Part 63, Subpart T, because the solvent used does not contain any of the halogenated HAP solvents listed in §63.460(a).
- (e) The requirements of the National Emissions Standards for Flexible Polyurethane Foam Production, 40 CFR 63.1290, Subpart III are not included in the permit because General Cable does not produce polyurethane or rebond foam.

State Rule Applicability – Entire Source

326 IAC 2-1.1-5 (Non-attainment New Source Review)

This source is not major under nonattainment NSR because it has the potential to emit less than 100 tons of PM10 (as a surrogate for PM2.5). Therefore, the Non-attainment New Source Review requirements are not applicable.

326 IAC 2-2 (Prevention of Significant Deterioration(PSD))

This source is not a major source. This source is not one (1) of the twenty-eight (28) listed source categories. The potential to emit each criteria pollutant from the entire source is less than 250 tons per year and the potential to emit of lead is less than twenty-five (25) tons per year. Therefore, this source is a minor source and the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)) are not applicable.

326 IAC 2-4.1 (Hazardous Air Pollutants)

This source will emit 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, 326 IAC 2-4.1 does not apply.

326 IAC 2-6 (Emission Reporting)

Pursuant to 326 IAC 2-6-1(a)(1), (2), and (3), this source is not subject to 326 IAC 2-6 (Emission Reporting) because, as an MSOP source, it is not required to have an operating permit under 326 IAC 2-7, it does not emit lead into the ambient air at levels equal to or greater than five (5) tons per year, and it is not located in Lake or Porter Counties.

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 Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in the permit:

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

326 IAC 6 (Particulate Rules)

The Permittee does not have the potential to emit more than one hundred (100) tons per year or actual emissions of ten (10) tons per year of particulate matter (See Appendix A pages 1 & 2). Therefore, 326 IAC 6.5-1 does not apply. The Permittee does not have any sources of indirect heating. Therefore, 326 IAC 6-2 does not apply. This source is not specifically identified in 6.5-6. Therefore, 326 IAC 6.5-6 does not apply.

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 7-1.1 (Sulfur Dioxide Emission Limitations)

Neither the source or any individual emission units has potential to emit of SO₂ greater than 10 pounds per hour or 25 tons per year. Therefore, 326 IAC 7-1.1 does not apply.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

The Permittee has no individual facility with the potential to emit more than twenty-five (25) tons per year of VOCs. Therefore, 326 IAC 8-1-6 does not apply.

326 IAC 8-2-8 (Magnet Wire Coating Operations)

This source produces insulation for high voltage outdoor electrical wire and does not apply a coating of electrically insulating varnish or enamel to aluminum or copper wire for use in electrical machinery. Therefore, 326 IAC 8-2-8 does not apply.

326 IAC 14 (Emission Standards for Hazardous Air Pollutants)

See "Federal Rule Applicability" section.

State Rule Applicability – Individual Facilities

326 IAC 6-3 (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:

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

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.

Emission Unit	P = Current Max Process Weight Rate (tons/hr)	E = Calculated Rate of Emission (lb/hr)	Uncontrolled PM PTE (lbs/hr)
Line 1 and Line 2 Central Vacuum Systems, each line controlled by a separate Spenser Turbine Baghouse (emission unit SP-1 and #2)	0.250	1.62	1.68
Line 1 Peroxide Pellet Cooling controlled by Witte Bag Filter (emission unit WEI-12)	1.150	4.50	1.44
Line 3 Peroxide Pellet Cooling controlled by Witte Bag Baghouse (emission unit #3)	0.750	3.38	0.63
Line 2 Witte Bag Filter (emission unit #7)	1.150	4.50	0.60
Banbury Compounding Production Line controlled by baghouse (emission unit BA)	0.43	2.33	1.42

In order to comply with this limit, the baghouses associated with emission units SP-1 and #2 shall be in operation at all times SP-1 and #2 are in operation. Based on the calculations (See Appendix A, page 1), all other emission units at this source can comply with the limits pursuant to 326 IAC 6-3-2 without the use of a control device.

- (b) Pursuant to 326 IAC 6-3-1(b)(14), manufacturing processes with potential emissions less than 0.551 pounds per hour are exempt from 326 IAC 6-3. The emission units listed in the following table each have potential emission less than 0.551 pounds per hour (See Appendix A, page 1). Therefore, 326 IAC 6-3 do not apply to those emission units.

Emission Unit	Uncontrolled PM PTE (lbs/hr)
Line 1 & 2 Pressure Pot controlled by a baghouse (emission unit #4)	0.06
Central Ventilation Dust Collector Baghouse (emission unit #5)	0.38
Carbon Black Handling controlled by baghouse (emission unit #6)	0.06
Line 1 Buss Air Bed baghouse (emission unit #8)	0.19
Line 2 Buss Air Bed baghouse (emission unit #9)	0.11

Conclusion

The construction and operation of this stationary source, which produces insulation for high voltage outdoor electrical wire, shall be subject to the conditions of the New Source Review and Minor Source Operating Permit M097-24822-00185.

Appendix A: Emission Calculations

Particulate Emissions Calculations

Company Name: General Cable Corporation
Street Address: 7950 Rockville Road, Indianapolis, IN 46214
County: Marion County
FESOP No.: F097-24822-00185
Reviewer: A. Nguyen

Potential To Emit	Dust Collected (lbs)	Collection Time (hr)	Uncontrolled PTE of PM/PM10*			Actual Emissions of PM/PM10		
			(lbs/hr)	(lbs/day)	(tons/yr)	Hours per week	(lbs/hr)	(tons/yr)
Line 1 Buss Air Bed baghouse (emission unit #8)**	9.00	48.0	0.19	4.55	0.83	168	0.00	0.01
Line 2 Buss Air Bed baghouse (emission unit #9)**	5.00	48.0	0.11	2.53	0.46	168	0.00	0.00
Line 1 and Line 2 Central Vacuum Systems, each line controlled by a separate Spenser Turbine Baghouse (emission unit SP-1 and #2)***	40.00	24.0	1.68	40.4	7.37	168	0.02	0.07
Line 1 Peroxide Pellet Cooling controlled by Witte Bag Filter (emission unit WEI-12)	2230	1560	1.44	34.7	6.32	168	0.01	0.06
Line 3 Peroxide Pellet Colling controlled by Witte Bag Filter (emission unit #3)	5.00	8.00	0.63	15.2	2.77	168	0.01	0.03
Line 1 & 2 Pressure Pot controlled by baghouse (emission unit #4)**	3.00	48.0	0.06	1.52	0.28	168	0.00	0.00
Central Ventilation Dust Collector Baghouse (emission unit #5)**	9.00	24.0	0.38	9.09	1.66	168	0.00	0.02
Carbon Black Handling controlled by baghouse (emission unit #6)**	3.00	48.0	0.06	1.52	0.28	168	0.00	0.00
Line 2 Witte Bag Filter (emission unit #7)	925	1560	0.60	14.4	2.62	168	0.01	0.03
Total	3229	3368	5.16	123.8	22.6			0.22

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 Emission rate (lbs/hr) = Uncontrolled PTE of PM/PM10 emission rate (lb/hrs) x 0.01

Actual Emissions of PM/PM10 (tons/yr) = Hours per week (hr/wk) x Actual emission rate (lbs/hr) x 50 weeks/yr x 1 ton/2000 lbs

** 326 IAC 6-3 does not apply to these units because potential PM emissions are less than 0.551 lbs/hr.

*** Calculations are based on one line beause only one central vacuum system line can operate at time. Both central vacuum system baghouses have the same flow.

Pursuant to 326 IAC 6-3-2

Process Control	Maximum Capacity (tons/hr)	Allowable PM (lbs/hr)	Uncontrolled PM PTE (lb/hr)
Line 1 Central Vacuum System controlled by Spenser Turbine Baghouse (emission unit SP-1) and Line 2 Central Vacuum System controlled by Spenser Turbine Baghouse (emission unit #2)	0.25	1.62	1.68
Line 1 Peroxide Pellet Cooling controlled by Witte Bag Filter (emission unit #3)	1.15	4.50	1.44
Line 3 Peroxide Pellet Colling controlled by Witte Bag Filter (emission unit #3)	0.75	3.38	0.63
Line 2 Witte Bag Filter (emission unit #7)	1.15	4.50	0.60

Methodology:

326 IAC 6-3-2 allowable emission rate equations is: $E = 4.10P^{0.67}$

where P = process weight rate in tons per hour

E = Process weight rate in pounds per hour

Appendix A: Emission Calculations

Banbury Line (Emission Unit BA)

Company Name: General Cable Corporation
Street Address: 7950 Rockville Road, Indianapolis, IN 46214
County: Marion County
FESOP No.: F097-24822-00185
Reviewer: A. Nguyen

Worst Case Dry Mixing

Type of Mixing	Max Capacity	¹ PM Emission Factor	PM emissions	PM Potential emissions	Worst Case Lead percentage	Lead emissions	Lead Potential emissions
	tons/hr	lb/ton	lbs/hr	tons/yr	%	lbs/hr	tons/yr
Powder / Pellets	0.43	2	0.86	3.77	2.7%	0.02	0.10

Worst Case Melting

Type of Melting	Max Capacity	² PM Emission Factor	PM Emission Factor	PM emissions	PM Potential emissions	Lead emissions	Lead Potential emissions	² VOC Emission Factor	VOC Emission Factor	VOC Potential emissions
	tons/hr	ug/g	lb/ton	lbs/hr	tons/yr	lbs/hr	tons/yr	ug/g	lb/ton	tons/yr
Powder / Pellets	0.43	653	1.31	0.56	2.46	0.02	0.07	819	1.64	3.09

Potential to Emit Combined (uncontrolled)

Emission Unit ID	PM	VOC	Pb
BA	6.23	3.09	0.17

Actual Emissions (controlled)

Emission Unit ID	PM
BA	0.06

Pursuant to 326 IAC 6-3-2

Emission Unit ID	Max Capacity	PM Emission Rate	Allowable Emission Rate
	(tons/hr)	(lbs/hr)	(lbs/hr)
BA	0.43	1.42	2.33

Methodology

PM is equal to PM10

1 - PM emission factor from mixing taken from FIRE (Printing Ink Manufacture - Pigment Mixing, SCC 30102005)

2 - PM and VOC emission factor from melting taken from AWMA Technical Paper "Development of Emission Factors for Polypropylene Processing".

Conversion from ug/g to lb/ton: Emission factor (ug/g) x 453.59 g/lb x 10⁶ g/ug x 1 lb/454 g x 2000 lb/ton

Potential emissions (tons/yr) = Capacity (tons/hr) x emission factor (lb/ton) x 8760 hr/yr x 1 ton/2000 lbs

Baghouse is rate as 99% efficient, actual emission (tons/yr) = Potential emission (tons/yr) x 0.1

PM Emission rate (lb/hr) = PM emissions from mixing (lbs/hr) + PM emissions from melting (lbs/hr)

326 IAC 6-3-2 allowable emission rate equations is: $E = 4.10P^{0.67}$ where P = process weight rate in tons per hour
 E = Process weight rate in pounds per hour

Appendix A: Emission Calculations

Summary**Company Name:** General Cable Corporation**Street Address:** 7950 Rockville Road, Indianapolis, IN 46214**County:** Marion County**FESOP No.:** F097-24822-00185**Reviewer:** A. Nguyen

Process Control	Pollutants (tons/yr)			
	PM	PM10	VOC	Lead
Line 1 Buss Air Bed baghouse (emission unit #8)	0.83	0.83	-	-
Line 2 Buss Air Bed baghouse (emission unit #9)	0.46	0.46	-	-
Line 1 and Line 2 Central Vacuum Systems, each line controlled by a separate Spenser Turbine Baghouse (emission unit SP-1 and #2)	7.37	7.37	-	-
Line 1 Peroxide Pellet Cooling controlled by Witte Bag Filter (emission unit WEI-12)	6.32	6.32	-	-
Line 3 Peroxide Pellet Colling controlled by Witte Bag Filter (emission unit #3)	2.77	2.77	-	-
Line 1 & 2 Pressure Pot controlled by baghouse (emission unit #4)r**	0.28	0.28	-	-
Central Ventilation Dust Collector Baghouse (emission unit #5)**	1.66	1.66	-	-
Carbon Black Handling controlled by baghouse (emission unit #6)**	0.28	0.28	-	-
Line 2 Witte Bag Filter (emission unit #7)	2.62	2.62	-	-
Banbury Line (BA)	6.23	6.23	3.09	0.17
Total	28.82	28.82	3.09	0.17