



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53 IGCN 1003
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: November 9, 2007
RE: Westech Building Products, Inc. / 129-23560-00029
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

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 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 Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.

Enclosures
FNPER.dot 03/23/06



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**NEW SOURCE REVIEW and MINOR SOURCE
OPERATING PERMIT
OFFICE OF AIR QUALITY**

**Westech Building Products, Inc.
7451 Highway 62 East
Mt.Vernon, Indiana 47620**

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

This permit is issued to the above mentioned company under the provisions of 326 IAC 2-5.1, 326 IAC 2-6.1 and 40 CFR 52.780, with conditions listed on the attached pages. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-6.1-6, applicable to those conditions.

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.: MSOP 129-23560-00029	
Issued by: <i>Original signed by</i> Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 9, 2007 Expiration Date: November 9, 2012

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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). 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 PVC resin mixing and extruding source.

Authorized Individual: Lonnie Burns, Plant Manager
 Source Address: 7451 Highway 62 East, Mt.Vernon, Indiana 47620
 Mailing Address: P.O. Box 567, Mt.Vernon, Indiana 47620
 General Source Phone: (812) 985-3628
 SIC Code: 3089
 County Location: Posey
 Source Location Status: Attainment for all criteria pollutants
 Source Status: Minor Source Operating Permit
 Minor Source, under PSD and Emission Offset Rules;
 Minor Source, Section 112 of the Clean Air Act

A.2 Emissions Units and Pollution Control Equipment Summary

This stationary source is approved to operate the following emissions units and pollution control devices:

- (a) One (1) extruder process, constructed in 1996, consisting of sixteen (16) extruder lines, with a combined throughput of 65,919 tons of PVC per year:

Line	Emission Unit	Maximum Capacity	
		lbs/hr	tons/year
1	ts-100 (Co-Extrude DSK 62)	1000	4380
2	ts-88 (Co-Extrude C.M. 55)	900	3942
3	cm-80 (Co-Extrude C.M. 55)	1000	4380
4	cm-80 (Co-Extrude C.M. 55)	1000	4380
5	tp-93 (Mono-Extrude)	900	3942
6	dsk-62 (Mono-Extrude)	550	2409
7	dsk-62 (Mono-Extrude)	550	2409
8	cm-65 (Mono-Extrude)	550	2409
9	ttp-98 (Mono-Extrude)	1300	5694
10	ts-88 (Co-Extrude DSK 62)	900	3942
11	ts-88 (Co-Extrude DSK 62)	900	3942
12	ts-100 (Co-Extrude DSK 62)	1000	4380
13	ts-100 (Co-Extrude DSK 62)	1000	4380
14	ttp-98 Co-Extrude DSK 63)	1300	5694
15	tp-93 (Mono-Extrude)	900	3942
16	ttp-98 Co-Extrude DSK 63)	1300	5694

- (b) One (1) old blend room constructed in 1996, consisting of two (2) mixers, each with a maximum capacity of 30,660 tons of PVC per year.
- (c) One (1) new blend tower, constructed in 1996, consisting one (1) computer controlled mixer, with a 31,536 tons of PVC per year.
- (d) One (1) scrap grinder, constructed in 1996, with a maximum capacity of 1,200 pounds of scrap plastic ground per hour.
- (e) Sixteen (16) propane -fired heat guns, constructed in 1996, each with a maximum capacity of 0.125 MMBtu per hour.
- (f) Eight (8) cut off saws, constructed in 1996, with a combined maximum throughput of 42,486 tons of PVC per year.
- (g) Ten (10) compound/resin storage silos with a combined throughput of 42,486 tons of PVC per year; the exhaust emissions are controlled by fabric filters.
- (h) Five (5) regrind storage silos with a combined throughput of 42,486 tons of PVC per year; the exhaust emissions are controlled by cyclone separator.
- (i) Degreasing operations that do not exceed 145 gallons per 12 months consisting of the following:
 - (1) Two (2) cold cleaning degreasing operations.

SECTION B GENERAL CONDITIONS

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

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

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

-
- (a) This permit, MSOP 129-23560-00029, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, until the renewal permit has been issued or denied.

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

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

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability

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

B.5 Severability

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

B.6 Property Rights or Exclusive Privilege

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

B.7 Duty to Provide Information

-
- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by Authorized Individual as defined by 326 IAC 2-1.1-1(1). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 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 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) Authorized Individual is defined at 326 IAC 2-1.1-1(1).

B.9 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:

Compliance Branch, Office of Air Quality
Indiana Department of Environmental Management
100 North Senate Avenue,
MC 61-53 IGCN 1003
Indianapolis, 46204-2251
- (c) The notification shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

B.10 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

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 upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions 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.11 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to MSOP 129-23560-00029 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.12 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.13 Permit Renewal [326 IAC 2-6.1-7]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ, and shall include the information specified in 326 IAC 2-6.1-7. Such information shall be included in the application for each emission unit at this source. The renewal application does require the certification by the "Authorized Individual" as defined by 326 IAC 2-7-1(34).

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

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

B.14 Permit Amendment or Revision [326 IAC 2-5.1-3(e)(3)][326 IAC 2-6.1-6]

- (a) Permit amendments 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

Any such application shall be certified by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).
- (b) 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.15 Source Modification Requirement

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

B.16 Inspection and Entry [326 IAC 2-5.1-3(e)(4)(B)] [326 IAC 2-6.1-5(a)(4)] [IC 13-14-2-2] [IC 13-17-3-2][IC 13-30-3-1]

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

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

- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy, at reasonable times, any records that must be kept under this title or the conditions of this permit or any operating permit revisions;
- (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 processes, emissions units (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit or any operating permit revisions;
- (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.17 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

The application which shall be submitted by the Permittee does require the certification by "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 notice only change immediately upon submittal of the request. [326 IAC 2-6.1-6(d)(3)]

B.18 Annual Fee Payment [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ, within thirty (30) calendar days of receipt of a billing.
- (b) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.19 Credible Evidence [326 IAC 1-1-6]

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

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

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

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

- (a) Violation of any conditions of this permit.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this permit.
- (c) Changes in regulatory requirements that mandate either a temporary or permanent reduction of discharge of contaminants. However, the amendment of appropriate sections of this permit shall not require revocation of this permit.
- (d) Noncompliance with orders issued pursuant to 326 IAC 1-5 (Episode Alert Levels) to reduce emissions during an air pollution episode.
- (e) For any cause which establishes in the judgment of IDEM, the fact that continuance of this permit is not consistent with purposes of this article.

C.3 Opacity [326 IAC 5-1]

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

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.4 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.5 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

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 "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.

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

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

- (a) 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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by "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 "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 not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ, if the Permittee submits to IDEM, OAQ, a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.7 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.8 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.9 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.10 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 the parameters.

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

C.11 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.12 General Record Keeping Requirements [326 IAC 2-6.1-5]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.
- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.13 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
- (b) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ, on or before the date it is due.
- (c) 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 "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 UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (a) One (1) extruder process, constructed in 1996, consisting of sixteen (16) extruder lines, with a combined throughput of 65,919 tons of PVC per year:

Line	Emission Unit	Maximum Capacity	
		lbs/hr	tons/year
1	ts-100 (Co-Extrude DSK 62)	1000	4380
2	ts-88 (Co-Extrude C.M. 55)	900	3942
3	cm-80 (Co-Extrude C.M. 55)	1000	4380
4	cm-80 (Co-Extrude C.M. 55)	1000	4380
5	tp-93 (Mono-Extrude)	900	3942
6	dsk-62 (Mono-Extrude)	550	2409
7	dsk-62 (Mono-Extrude)	550	2409
8	cm-65 (Mono-Extrude)	550	2409
9	ttp-98 (Mono-Extrude)	1300	5694
10	ts-88 (Co-Extrude DSK 62)	900	3942
11	ts-88 (Co-Extrude DSK 62)	900	3942
12	ts-100 (Co-Extrude DSK 62)	1000	4380
13	ts-100 (Co-Extrude DSK 62)	1000	4380
14	ttp-98 Co-Extrude DSK 63)	1300	5694
15	tp-93 (Mono-Extrude)	900	3942
16	ttp-98 Co-Extrude DSK 63)	1300	5694

- (b) One (1) old blend room constructed in 1996, consisting of two (2) mixers, each with a maximum capacity of 30,660 tons of PVC per year.
- (c) One (1) new blend tower, constructed in 1996, consisting one (1) computer controlled mixer, with a 31,536 tons of PVC per year.
- (d) One (1) scrap grinder, constructed in 1996, with a maximum capacity of 1,200 pounds of scrap plastic ground per hour.
- (e) Sixteen (16) propane -fired heat guns, constructed in 1996, each with a maximum capacity of 0.125 MMBtu per hour.
- (f) Eight (8) cut off saws, constructed in 1996, with a combined maximum throughput of 42,486 tons of PVC per year.
- (g) Ten (10) compound/resin storage silos with a combined throughput of 42,486 tons of PVC per year; the exhaust emissions are controlled by fabric filters.
- (h) Five (5) regrind storage silos with a combined throughput of 42,486 tons of PVC per year; the exhaust emissions are controlled by cyclone separator.

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

Emission Limitations and Standards

D.1.1 Particulate Matter Limitation (PM) [326 IAC 6-3]

The particulate matter (PM) emissions from the following processes shall be limited by the following equation:

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

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

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

Emission Unit/Process	Process Weight Rate (lb/hr)	Allowable PM Emission Rate (326 IAC 6-3-2) (lb/hr)
Old Blend Room - Mixers	14000	15.10
New Blend Room - Mixer	7200	9.67
Cut Off Saws	15050	15.85
Compound/Resin Storage Silos	15050	15.85
Regrind Storage Silos	15050	15.85

SECTION D.2 EMISSIONS UNITS OPERATION CONDITIONS

Emissions Unit Description:

- (a) Degreasing operations that do not exceed 145 gallons per 12 months consisting of the following:
 - (1) Two (2) cold cleaning degreasing operations.

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

Emission Limitations and Standards

D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the cold cleaning facility shall:

- (a) equip the cleaner with a cover;
- (b) equip the cleaner with a facility for draining cleaned parts;
- (c) close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) provide a permanent, conspicuous label summarizing the operation requirements;
- (f) store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.2.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

The degreasing operations are subject to this rule. This degreasing operation shall comply with the following requirements.

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent

volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

- (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

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

**MINOR SOURCE OPERATING PERMIT
ANNUAL NOTIFICATION**

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

Company Name:	Westech Building Products, Inc.
Address:	7451 Highway 62 East,
City:	Mt.Vernon, Indiana 47620
Phone #:	812-985-3628
MSOP #:	129-23560-00029

I hereby certify that Westech Building Products, Inc. is

- still in operation.
- no longer in operation.

I hereby certify that Westech Building Products, Inc. is

- in compliance with the requirements of MSOP 129-23560-00029.
- not in compliance with the requirements of MSOP 129-23560-00029.

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

**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 ?_____, 100TONS/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 PERM 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

PAGE 1 OF 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:

Indiana Department of Environmental Management Office of Air Quality

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

Source Background and Description

Source Name:	Westech Building Products, Inc.
Source Location:	7451 Highway 62 East, Mt. Vernon, Indiana 47620
County:	Posey
SIC Code:	3089
Permit No.:	MSOP129-23560-00029
Permit Reviewer:	Surya Ramaswamy / EVP

The Office of Air Quality (OAQ) has reviewed an application from Westech Building Products, Inc. relating to the construction and operation of a PVC resin mixing and extruding source. The source was issued Construction Registration Permit No. 129-4020-00029 on February 12, 1996.

Permitted Emission Units and Pollution Control Equipment

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

- (a) One (1) extruder process, constructed in 1996, consisting of six (6) extruder lines, with a combined throughput of 23,433 tons of PVC per year:

Line	Emission Unit	Maximum Capacity	
		lbs/hr	tons/year
1	ts-100 (Co-Extrude DSK 62)	1000	4380
2	ts-88 (Co-Extrude C.M. 55)	900	3942
3	cm-80 (Co-Extrude C.M. 55)	1000	4380
4	cm-80 (Co-Extrude C.M. 55)	1000	4380
5	tp-93 (Mono-Extrude)	900	3942
6	dsk-62 (Mono-Extrude)	550	2409

- (b) Six (6) cut off saws, constructed in 1996, with a combined throughput of 23,433 tons of PVC per year.
- (c) Four (4) compound/resin storage silos, constructed in 1996, with a combined throughput of 23,433 tons of PVC per year.

Unpermitted Emission Units and Pollution Control Equipment

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

- (a) One (1) extruder process, constructed in 1996, consisting of ten (10) extruder lines, with a combined throughput of 42,486 tons of PVC per year:

Line	Emission Unit	Maximum Capacity	
		lbs/hr	tons/year
7	dsk-62 (Mono-Extrude)	550	2409
8	cm-65 (Mono-Extrude)	550	2409
9	ttp-98 (Mono-Extrude)	1300	5694
10	ts-88 (Co-Extrude DSK 62)	900	3942
11	ts-88 (Co-Extrude DSK 62)	900	3942
12	ts-100 (Co-Extrude DSK 62)	1000	4380
13	ts-100 (Co-Extrude DSK 62)	1000	4380
14	ttp-98 Co-Extrude DSK 63)	1300	5694
15	tp-93 (Mono-Extrude)	900	3942
16	ttp-98 Co-Extrude DSK 63)	1300	5694

- (b) One (1) old blend room constructed in 1996, consisting of two (2) mixers, each with a maximum capacity of 30,660 tons of PVC per year.
- (c) One (1) new blend tower, constructed in 1996, consisting one (1) computer controlled mixer, with a 31,536 tons of PVC per year.
- (d) One (1) scrap grinder, constructed in 1996, with a maximum capacity of 1,200 pounds of scrap plastic ground per hour.
- (e) Sixteen (16) propane -fired heat guns, constructed in 1996, each with a maximum capacity of 0.125 MMBtu per hour.
- (f) Eight (8) cut off saws, constructed in 1996, with a combined maximum throughput of 42,486 tons of PVC per year.
- (g) Ten (10) compound/resin storage silos with a combined throughput of 42,486 tons of PVC per year; the exhaust emissions are controlled by fabric filters.
- (h) Five (5) regrind storage silos with a combined throughput of 42,486 tons of PVC per year; the exhaust emissions are controlled by cyclone separator.
- (i) Degreasing operations that do not exceed 145 gallons per 12 months consisting of the following:
 - (1) Two (2) cold cleaning degreasing operations.

Existing Approvals

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

- (a) Construction Registration 129-4020-00029 issued on February 12, 1996.
- (b) Administrative Amendment 129-5324-00029 issued on February 20, 1996.

All conditions from previous approvals were incorporated into this permit.

Enforcement Issue

- (a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit [326 IAC 2-6.1-7]. The subject equipment is listed in this Technical Support Document under the condition entitled *Unpermitted Emission Units and Pollution Control Equipment*.
- (b) IDEM, OAQ is aware that the source continued to operate under a Registration No. 129-4020-00029, issued in 1996 and failed to apply for a MSOP application by December 25, 1998 as required per 326 IAC 2-6.1-2.
- (c) IDEM is reviewing these matters and will take appropriate action. This proposed permit is intended to satisfy the requirements of the construction permit rules.

Recommendation

The staff recommends to the Commissioner 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 August 25, 2006.

Emission Calculations

See Appendix A of this document for detailed emission calculations (Appendix A, pages 1 through 4).

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	93.09
PM-10	79.16
SO ₂	negligible
VOC	3.98
CO	0.18
NO _x	1.34

HAPs	Potential to Emit (tons/yr)
Total	0.17

- (a) The potential to emit (as defined in 326 IAC 2-1.1-1(16)) of all criteria pollutants are less than 100 tons per year, however the potential to emit of PM and PM₁₀ are each greater than 25 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 2-1.1-1(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)) of the combination of HAPs is less than twenty-five (25) tons per year. Therefore, the source is not a major source of HAPs as defined in 326 IAC 2-7-1(22).

County Attainment Status

The source is located in Posey County.

Pollutant	Status
PM-10	Attainment
PM-2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
CO	Attainment
Lead	Attainment

- (a) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana.
- (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 ozone. Posey County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) Posey County has been classified as attainment for PM2.5. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM2.5 emissions. Therefore, until the U.S.EPA adopts specific provisions for PSD review for PM2.5 emissions, it has directed states to regulate PM10 emissions as a surrogate for PM2.5 emissions.
- (d) Posey County has been classified as attainment or unclassifiable for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (e) Fugitive Emissions
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.

Source Status

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

Pollutant	Emissions (tons/yr)
PM	93.09
PM-10	79.16
SO ₂	negligible
VOC	3.98
CO	0.18
NO _x	1.34
Total HAPs	0.17

- (a) This existing source is not a major stationary source under 326 IAC 2-2 (PSD) because no attainment regulated pollutant is emitted at a rate of 250 tons per year or greater and it is not in one of the 28 listed source categories.
- (b) These emissions are based on emission calculations provided in the application submitted by the Westech Building Products, Inc. on August 25, 2006.

Part 70 Permit Determination

326 IAC 2-7 (Part 70 Permit Program)

This existing source, including the emissions from this permit MSOP 129-23560-00029, 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 per year.

This status is based on all the air approvals issued to the source. This status has been verified by the OAQ inspector assigned to the source.

Federal Rule Applicability

- (a) This source is a compounding source that processes, but does not manufacture polypropylene resins. Therefore the requirements of 40 CFR 60, Subpart DDD, Standards of Performance for VOC Emissions from the Polymer Manufacturing Industry (326 IAC 12) are not included in the permit for this source.
- (b) Polyvinyl Chloride (PVC) is not polymerized at this source. Therefore, the requirements of 40 CFR 61.60, Subpart F, National Emission Standard for Vinyl Chloride, and 40 CFR 63.210, Subpart J, National Emission Standards for Hazardous Air Pollutants for Polyvinyl Chloride and Copolymers Production (326 IAC 12) are not included in the permit for this source.
- (c) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit.
- (d) This source is a resin compounding source. The source does not produce plastic composites. Therefore, the requirements of 40 CFR 63.5780, Subpart WWWW, National Emission Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production (326 IAC 20-56), are not included in the permit for this source. In addition, the

potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.

- (e) This source does not process or manufacture a thermoplastic product as defined by 40 CFR 63.1312. Therefore, the requirements of 40 CFR 63, Subpart JJJ, National Emission Standards for Hazardous Air Pollutant Emissions: Group IV Polymers and Resins (326 IAC 20-21) are not included in the permit for this source. In addition, the potential to emit of any combination of HAPs and any single HAP is less than 25 and 10 tons per year, respectively.
- (f) The requirements of the National Emission Standards for Halogenated Solvent Cleaning (326 IAC 20-6, 40 CFR 63, Subpart T) are not included in this permit for the insignificant degreasing operations because these degreasing operations do not use a solvent containing methylene chloride, perchlorethylene, trichlorethylene, 1,1,1-trichlorethane, carbon tetrachloride, chloroform or any combination of these halogenated HAP solvents in a total concentration greater than five percent (5%) by weight as a cleaning or drying agent.
- (g) There are no other National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14 and 326 IAC 20; 40 CFR Part 61 and 40 CFR Part 63) included in this permit.

State Rule Applicability – Entire Source

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

This source is not subject to this rule because potential uncontrolled emissions of all criteria pollutants are less than 250 tons per year. This source is also not one of the 28 listed source categories. Therefore, this source is not subject to the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)).

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

The operation of this source will emit less than ten (10) tons per year of a single HAP and 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, this source is not subject to this rule because it is not required to have an operating permit under 326 IAC 2-7 (Part 70), it is not located in Lake or Porter counties, and it does not emit lead into the ambient air at levels equal to or greater than 5 tons per year. Therefore, 326 IAC 2-6 does not apply.

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 forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

326 IAC 6-4 (Fugitive Dust Emissions)

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).

State Rule Applicability – Individual Facilities

326 IAC 8-1-6 (New facilities; General reduction requirements)

Each facility at this source (constructed after 1980) has potential VOC emissions less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

326 IAC 8-3-2 (Cold Cleaner Operations)

The parts washer is subject to this rule because it was constructed after 1980. Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the owner or operator of the cold cleaning facility shall:

- (a) Equip the cleaner with a cover;
- (b) Equip the cleaner with a facility for draining cleaned parts;
- (c) Close the degreaser cover whenever parts are not being handled in the cleaner;
- (d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
- (e) Provide a permanent, conspicuous label summarizing the operation requirements;
- (f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation and Control)

The part washer is subject to this rule because it was constructed after July 1, 1990 in Posey County. This degreasing operation shall comply with the following requirements.

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaner degreaser facility shall ensure that the following control equipment requirements are met:
 - (1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F));
 - (B) The solvent is agitated; or
 - (C) The solvent is heated.
 - (2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.
 - (3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).
 - (4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
 - (5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury) or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38°C) (one hundred degrees Fahrenheit (100°F)), or

if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°F)):

- (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (C) Other systems of demonstrated equivalent control such as a refrigerated chiller or carbon adsorption. Such systems shall be submitted to the U.S EPA as a SIP revision.
- (b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:
- (1) Close the cover whenever articles are not being handled in the degreaser.
 - (2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

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

- (a) The particulate matter (PM) emissions from the following processes shall be limited by the following equation:

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

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

Emission Unit/Process	Process Weight Rate (lb/hr)	Allowable PM Emission Rate (326 IAC 6-3-2) (lb/hr)
Old Blend Room - Mixers	14000	15.10
New Blend Room - Mixer	7200	9.67
Cut Off Saws	15050	15.85
Compound/Resin Storage Silos	15050	15.85
Regrind Storage Silos	15050	15.85

Based on the PTE calculations before control, all the above listed emission units are able to comply with the requirements of 326 IAC 6-3-2.

- (b) The potential to emit of particulate emissions from scrap pipe grinder are less than 0.551 pounds per hour. Pursuant to 326 IAC 6-3-1(b)(14), this unit is exempt from particulate emission limitations for manufacturing processes.

Conclusion

The operation of this PVC resin mixing and extruding source shall be subject to the conditions of the Minor Source Operating Permit No. 129-23560-00029.

Appendix A: Emissions Calculations

Company Name: Westech Building Products, Inc.
Address City IN Zip: 7451 Highway 62 East, Mt.Vernon, Indiana 47620
Permit No.: 129-23560-00029
Plt ID: 129-00029
Reviewer: Surya Ramaswamy/EVP
Date: 11/9/2007

Uncontrolled Emission

Pollutant	PM	PM10	SO2	NOx	VOC	CO	HAPS
Emission Unit							
Extruders	0	0	0	0	3.82	0	0.09
Propane Heat Guns	0.04	0.04	1.84E-03	1.34	0.05	0.18	0
Two (2) Mixers in Old Blend Room	18.40	9.20	0	0	0.07	0	0.05
One Mixer in New Blend Tower	9.46	4.73	0	0	0.04	0	0.03
Scrap Pipe Grinder	0.92	0.92	0	0	0	0	0
Fourteen (14) Cut off saws	11.54	11.54	0	0	0	0	0
Fourteen (14) Compound/Resin Storage Silos	26.37	26.37	0	0	0	0	0
Five (5) Regrind Storage Silos	26.37	26.37	0	0	0	0	0
Total in TPY	93.09	79.16	1.84E-03	1.34	3.98	0.18	0.17

Controlled Emission

Pollutant	PM	PM10	SO2	NOx	VOC	CO	HAPS
Emission Unit							
Extruders	0	0	0	0	3.82	0	0.09
Propane Heat Guns	0.04	0.04	1.84E-03	1.34	0.05	0.18	0
Two (2) Mixers in Old Blend Room	18.40	9.20	0	0	0.07	0	0.05
One Mixer in New Blend Tower	9.46	4.73	0	0	0.04	0	0.03
Scrap Pipe Grinder	0.92	0.92	0	0	0	0	0
Fourteen (14) Cut off saws	11.54	11.54	0	0	0	0	0
Fourteen (14) Compound/Resin Storage Silos	1.32	1.32	0	0	0	0	0
Five (5) Regrind Storage Silos	2.64	2.64	0	0	0	0	0
Total in TPY	44.31	30.38	1.84E-03	1.34	3.98	0.18	0.17

**Appendix A: Emissions Calculations
Extruder Lines**

Company Name: Westech Building Products, Inc.
Address City IN Zip: 7451 Highway 62 East, Mt. Vernon, Indiana 47620
Permit No.: 129-23560-00029
Plt ID: 129-00029
Reviewer: Surya Ramaswamy/EVP
Date: 11/9/2007

Line	Emission Unit	Maximum Capacity			Emission Factor		Potential Emissions (TPY)	
		lbs/hr	tons/year	MMlb/year	VOC (lb/MMlb)	HAPs (lb/ton PVC)	VOC	HAPs
1	ts-100 (Co-Extrude DSK 62)	1000	4380	8.76	58	0.00269	0.254	0.006
2	ts-88 (Co-Extrude C.M. 55)	900	3942	7.884	58	0.00269	0.229	0.005
3	cm-80 (Co-Extrude C.M. 55)	1000	4380	8.76	58	0.00269	0.254	0.006
4	cm-80 (Co-Extrude C.M. 55)	1000	4380	8.76	58	0.00269	0.254	0.006
5	tp-93 (Mono-Extrude)	900	3942	7.884	58	0.00269	0.229	0.005
6	dsk-62 (Mono-Extrude)	550	2409	4.818	58	0.00269	0.140	0.003
7	dsk-62 (Mono-Extrude)	550	2409	4.818	58	0.00269	0.140	0.003
8	cm-65 (Mono-Extrude)	550	2409	4.818	58	0.00269	0.140	0.003
9	ttp-98 (Mono-Extrude)	1300	5694	11.388	58	0.00269	0.330	0.008
10	ts-88 (Co-Extrude DSK 62)	900	3942	7.884	58	0.00269	0.229	0.005
11	ts-88 (Co-Extrude DSK 62)	900	3942	7.884	58	0.00269	0.229	0.005
12	ts-100 (Co-Extrude DSK 62)	1000	4380	8.76	58	0.00269	0.254	0.006
13	ts-100 (Co-Extrude DSK 62)	1000	4380	8.76	58	0.00269	0.254	0.006
14	ttp-98 Co-Extrude DSK 63)	1300	5694	11.388	58	0.00269	0.330	0.008
15	tp-93 (Mono-Extrude)	900	3942	7.884	58	0.00269	0.229	0.005
16	ttp-98 Co-Extrude DSK 63)	1300	5694	11.388	58	0.00269	0.330	0.008
Total		15050	65919				3.82	0.09

Note:

Emission Factor Development of VOC and HAPs for the PVC Pipe Manufacturing Industry performed by Rosengarten, Smith and Associates in December of 1995 for The Vinyl Institute.

No HAPs were detected in The Vinyl Institute study, the lower detection limit for the Gas Chromatograph was used for conservative estimates of HAPs (Vinyl Chloride Monomer, Benzene, Toluene).

Methodology:

Potential to Emit VOC in TPY = Emission Factor (lb/MMlb) * Maximum Capacity (MMlb/year)
 Potential to Emit HAP in TPY = Emission Factor (lb/tons of PVC) * Maximum Capacity (tons of PVC/year)

**Appendix A: Emissions Calculations
Propane Heat Guns**

Company Name: Westech Building Products, Inc.
Address City IN Zip: 7451 Highway 62 East, Mt.Vernon, Indiana 47620
Permit No.: 129-23560-00029
Pit ID: 129-00029
Reviewer: Surya Ramaswamy/EVP
Date: 11/9/2007

Heat Input Capacity

MMBtu/hr

2.0 from 16 Guns;

Each with a capacity of 0.125 MMBtu/hr

Pollutant

	PM	PM10	SO2	NOx	VOC	CO
Emission Factor in lb/MMBtu	4.4E-03	4.4E-03	2.1E-04	0.15	5.3E-03	2.1E-02
Potential Emission in tons/yr	0.04	0.04	1.8E-03	1.34	4.6E-02	0.18

Methodology

MMBtu = 1,000,000 Btu

Potential to Emit in TPY = Emission Factor (lb/MMBtu) x Heat Input Capacity (MMBtu/hr) x 8,760 (hrs/yr) x 1/2000 (tons/lb)

Emission Factors are from AP 42, Chapter 1.5-1, Propane Commercial Boilers (SCC# 1-03-010-02).

Appendix A: Emissions Calculations

Company Name: Westech Building Products, Inc.
Address City IN Zip: 7451 Highway 62 East, Mt.Vernon, Indiana 47620
Permit No.: 129-23560-00029
Plt ID: 129-00029
Reviewer: Surya Ramaswamy/EVP
Date: 11/9/2007

Emission Unit	Maximum Capacity			Emission Factor				Potential to Emit (TPY)			
	lbs/hr	Tons/year	MMlb/year	VOC (lb/MMlb)	PM10 (lb/ton)	PM (lb/ton)	HAPs (lb/ton PVC)	VOC	PM10	PM	HAPs
Two (2) Mixers in Old Blend Room	14000	61320	122.6	1.2	0.3	0.6	0.00172	0.074	9.20	18.40	0.053
One Mixer in New Blend Tower	7200	31536	63.1	1.2	0.3	0.6	0.00172	0.038	4.73	9.46	0.027
Scrap Pipe Grinder	1200	5256	10.512	--	0.35	0.35	--	--	0.920	0.920	--
Fourteen (14) Cut off saws	15050	65919	131.8	--	0.35	0.35	--	--	11.54	11.54	--
Fourteen (14) Compound/Resin Storage Silos	15050	65919	131.8	--	0.8	0.8	--	--	26.37	26.37	--
Five (5) Re grind Storage Silos	15050	65919	131.8	--	0.8	0.8	--	--	26.37	26.37	--
Total in TPY								0.11	79.12	93.05	0.08

Emission Unit	Potential to Emit (TPY)				PM Control Efficiency %	Controlled Emission (TPY)	
	VOC	PM10	PM	HAPs		PM10	PM
Two (2) Mixers in Old Blend Room	0.074	9.20	18.40	0.053	--	9.20	18.40
One Mixer in New Blend Tower	0.038	4.73	9.46	0.027	--	4.73	9.46
Scrap Pipe Grinder	--	0.920	0.920	--	--	0.920	0.920
Fourteen (14) Cut off saws	--	11.54	11.54	--	--	11.54	11.54
Fourteen (14) Compound/Resin Storage Silos	--	26.37	26.37	--	95.00%	1.32	1.32
Five (5) Re grind Storage Silos	--	26.37	26.37	--	90.00%	2.64	2.64
Total (Tons/yr)	0.11	79.12	93.05	0.08		30.34	44.27

Note:

The PM and PM10 emission factors used in mixing and blending operations are from the FIRE database (SCC 3-05-012-23) for fiberglass manufacturing, raw material mixing and weighing.

The VOC and HAP emission factors for mixing and blending operations based on the analytical test report study "Emission Factor Development for the PVC Pipe Manufacturing Industry".

The PM and PM10 emission factors used in grinding and sawing operation with the most comparable process in the FIRE database is Log Sawing (SCC 3-07-008-02).

The PM and PM10 emission factors used in silos are from the FIRE database (SCC 3-01-018-11).

Methodology:

VOC Emission (tons/year) = Maximum Capacity (MMlb/yr) x Emission Factor (lb/MMlb) x 0.0005 tons/lb

PM/PM10 Emission (ton/year) = Maximum Capacity (Tons/yr) x Emission Factor (lb/ton) x 0.0005 tons/lb