



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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

TO: Interested Parties / Applicant

DATE: February 1, 2011

RE: Geocel LLC, / 039 - 30096 - 00605

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

Notice of Decision – Approval

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

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

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

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

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

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

Enclosures
FNPER-AM.dot12/3/07



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Mr. Doug Mattix
Geocel, LLC
2504 Marina Drive
Elkhart, IN 46514

February 1, 2011

Re: 039-30096-00605
First Registration Notice-Only Change to
R039-26703-00605

Dear Mr. Mattix:

Geocel, LLC (formerly Geocel Corporation) was issued a Registration No. R039-26703-00605 on August 21, 2008 for a stationary sealant, caulk, and adhesive manufacturing plant located at 2504 Marina Drive and 2500 Marina Drive, Elkhart, Indiana. On January 7, 2011, the Office of Air Quality (OAQ) received an application from the source requesting the following changes:

1. Requesting that the registration be updated to indicate that the company name has changed from Geocel Corporation to Geocel, LLC. This change to the registration is considered a notice-only change pursuant to 326 IAC 2-5.5-6(d)(3).
2. Requesting that the following emission units be included in the registration:
 - (a) One (1) new 100-gallon mixer, identified as M3, in the Urethane Sealant Manufacturing Building as part of its Urethane Sealant production process. The new mixer will be identical in operation to the two (2) existing mixers.
 - (b) One (1) new 5-gallon pigmenting mixing bucket identified as P5, to be installed in the Urethane Sealant Manufacturing Building, utilizing no control devices, and exhausting to the atmosphere. This new unit will be identical to the existing pigmenting mixer, identified as P4. The particulate matter emissions from this unit are considered negligible.
 - (c) One (1) new enclosed tank washer in the Urethane Sealant Manufacturing Building. This tank will either use SC-100 solvent or Safety-Kleen 105 solvent. The potential to emit VOC and HAPs will be based on the worst-case solvent for each pollutant.
 - (d) Two (2) existing enclosed tank washers that are used for cleaning pigmenting buckets and are located in the Main Production Building. These tanks currently use SC-100 solvent, but the source would also like the flexibility to use the Safety-Kleen 105 solvent. The potential to emit VOC and HAPs will be based on the worst-case solvent for each pollutant.

The addition of these units to the registration is considered a notice-only change, since the potential emissions of regulated criteria pollutants and hazardous air pollutants are less than the ranges specified in 326 IAC 2-5.5-6(d)(10) and 326 IAC 2-5.5-6(d)(12), respectively (see attached calculations). The uncontrolled/unlimited potential to emit of the entire source will continue to be within the threshold levels specified in 326 IAC 2-5.5-1(b)(1). There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) or National Emission standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in this notice-only change.

3. Requesting the ability to switch the cleaning solvent used in existing maintenance parts washer located in the Urethane Sealant Manufacturing Building from 1339 Naphtha (mineral spirits) to Safety-Kleen 105 solvent. In addition, the source would like the flexibility to use either SC-100 solvent or Safety-Kleen 105 solvent in the six (6) existing solvent mixing tanks. The potential to emit VOC and HAPs will be based on the worst-case solvent for each pollutant.

The change in cleaning solvent is considered a notice-only change, since the potential emissions of regulated criteria pollutants and hazardous air pollutants are less than the ranges specified in 326 IAC 2-5.5-6(d)(10) and 326 IAC 2-5.5-6(d)(12), respectively (see attached calculations). The uncontrolled/unlimited potential to emit of the entire source will continue to be within the threshold levels specified in 326 IAC 2-5.5-1(b)(1). There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) or National Emission standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 20 and 40 CFR Part 61, 63) included in this notice-only change.

Federal Rule Applicability Determination

New Source Performance Standards (NSPS)

1. There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included for this proposed revision.

National Emission Standards for Hazardous Air Pollutants (NESHAP)

1. The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Halogenated Solvent Cleaning (40 CFR 63, Subpart T) (326 IAC 20-6-1) are not included in this registration. Although solvent used in the parts washers, enclosed tank washers, and tank cleaning contains perchloroethylene, the material used does not have a total concentration of halogenated HAP solvents greater than 5 percent by weight.
2. The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Area Sources: Paints and Allied Products Manufacturing (40 CFR 63, Subpart CCCCCC) are not included for this proposed revision, since this source does not process, use, or generate materials containing benzene, methylene chloride, or compounds of cadmium, chromium, lead, and/or nickel, in amounts greater than or equal to 0.1 percent by weight for carcinogens, as defined by the Occupational Safety and Health Administration at 29 CFR 1910.1200(d)(4), or 1.0 percent by weight for non-carcinogens.
3. There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs) (326 IAC 14, 326 IAC 20 and 40 CFR Part 63) included for this proposed revision.

State Rule Applicability Determination

Mixer (M3)

1. 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)
Pursuant to 326 IAC 6-3-1(b)(14), the urethane sealant mixing tank is exempt from the requirements of 326 IAC 6-3, because it has potential particulate emissions less than five hundred fifty-one thousandths (0.551) pound per hour.
2. 326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)
The proposed revision is not subject to the requirements of 326 IAC 8-1-6, since the unlimited VOC potential emissions, from the urethane sealant mixing tank M3, is less than twenty-five (25) tons per year.

Enclosed Tank Washers

1. 326 IAC 8-3-2 (Cold Cleaner Operations)
The two (2) enclosed tank washers, located in the Main Production Building and the one (1) enclosed tank washer, located in the Urethane Sealant Manufacturing Building are subject to the requirements of 326 IAC 8-3-2 (Cold Cleaner Operations) since they were each constructed after January 1, 1980 and meet the definition of a cold cleaner degreaser as specified in 326 IAC 1-2-18.5.

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

- (1) Equip the cleaner with a cover;
 - (2) Equip the cleaner with a facility for draining cleaned parts;
 - (3) Close the degreaser cover whenever parts are not being handled in the cleaner;
 - (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (5) Provide a permanent, conspicuous label summarizing the operation requirements;
 - (6) 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.
2. The two (2) enclosed tank washers, located in the Main Production Building and the one (1) enclosed tank washer, located in the Urethane Sealant Manufacturing Building are subject to the requirements of 326 IAC 8-3-5 (Cold Cleaner Operations) since they were each constructed after July 1, 1990 and are not equipped with remote solvent reservoirs .
 - (1) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations constructed after July 1, 1990, the owner or operator shall ensure that the following control equipment requirements are met:
 - (A) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:
 - (i) 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));
 - (ii) The solvent is agitated; or
 - (iii) The solvent is heated.
 - (B) 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.
 - (C) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

- (D) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.
- (E) 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)):
 - (i) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (ii) A water cover when solvent is used is insoluble in, and heavier than, water.
 - (iii) 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.
- (2) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator shall ensure that the following operating requirements are met:
 - (A) Close the cover whenever articles are not being handled in the degreaser.
 - (B) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.
 - (C) 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.

Pursuant to 326 IAC 2-5.5-6, the registration is hereby revised as follows, with deleted language as ~~strikeouts~~ and new language **bolded**:

Company Name: ~~Geocel Corporation~~
Geocel, LLC

A.2 Emission Units and Pollution Control Equipment Summary

- ... Main Production Building
 - ... **(o) Two (2) enclosed tank washers, approved for construction in 2011, with a combined maximum throughput of 100 gallons of solvent per year.**
- Urethane Sealant Manufacturing Building
 - ... **(c) One (1) 100-gallon mixer, identified as M3, approved for construction in 2011, using a dust collection system as particulate control, and exhausting within the building.**
 - (d) One (1) pigmenting mixing bucket (5-gallon pail), identified as P5, approved for construction in 2011, used for mixing water-based or solvent-based pigments, utilizing no control devices, and exhausting to the atmosphere.**
 - (ee) One (1) maintenance parts washer, constructed in 2008, with a maximum throughput of eight (8) gallons of Mineral Spirits per month.**

- (f) **One (1) enclosed tank washer, approved for construction in 2011, with a maximum throughput of 500 gallons of solvent per year.**
- (dg) One basic maintenance area that includes basic maintenance-related items such as welding, grinding, and sawing and cutting operations.

SECTION D.1

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

...

- (o) **Two (2) enclosed tank washers, approved for construction in 2011, with a combined maximum throughput of 100 gallons of solvent per year.**

...

D.1.1 Cold Cleaners [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), **the five (5) maintenance parts washers and two (2) enclosed tank washers, which are for cold cleaning operations constructed after January 1, 1980, the Permittee Registrant shall:**

...

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the **two (2) enclosed tank washers, which are cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Registrant 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 Registrant 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.**

...
D.1.23 Condensers

Pursuant to 326 IAC 2-5.5, the condensers shall operate at all time when one or more solvent mixing tanks are in operation.

SECTION D.2 OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

- ...
- (c) One (1) 100-gallon mixer, identified as M3, approved for construction in 2011, using a dust collection system as particulate control, and exhausting within the building.**
 - (d) One (1) pigmenting mixing bucket (5-gallon pail), identified as P5, approved for construction in 2011, used for mixing water-based or solvent-based pigments, utilizing no control devices, and exhausting to the atmosphere.**
 - (ee) One (1) maintenance parts washer, constructed in 2008, with a maximum throughput of eight (8) gallons of Mineral Spirits per month.**
 - (f) One (1) enclosed tank washer, approved for construction in 2011, with a maximum throughput of 500 gallons of solvent per year.**
 - (dg) One basic maintenance area that includes basic maintenance-related items such as welding, grinding, and sawing and cutting operations.**
- ...

D.2.1 Cold Cleaners [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), **the one (1) maintenance parts washer and one (1) enclosed tank washer, which are for cold cleaning operations constructed after January 1, 1980, the Permittee Registrant shall:**

...

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

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the one (1) enclosed tank washer, which is a cold cleaner degreaser operation without remote solvent reservoir constructed after July 1, 1990, the Registrant 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 Registrant 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.**

...
IDEM, OAQ has decided to make additional revisions to the registration as described below. The registration has been revised as follows with deleted language as ~~strikeouts~~ and new language **bolded**:

1. IDEM, OAQ has decided to remove all references to the source mailing address. IDEM, OAQ will continue to maintain records of the mailing address. Section A.1 of the registration and the reporting forms has been revised as follows:

Mailing Address: ~~2504 Marina Drive, Elkhart, Indiana 46514~~

The source shall continue to operate according to 326 IAC 2-5.5. Please find enclosed the revised registration. A copy of the registration is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM's Guide for Citizen Participation and Permit Guide on the Internet at: www.idem.in.gov

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5. If you have any questions on this matter, please contact Brian Williams, at (800) 451-6027, press 0 and ask for Brian Williams or extension 4-5375 or dial (317) 234-5375

Sincerely,



Iryn Calilung, Section Chief
Permits Branch
Office of Air Quality

IC/BMW

Attachment: Revised Registration and Calculations

cc: File - Elkhart County
Elkhart County Health Department
Compliance and Enforcement Branch
Billing, Licensing and Training Section



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Mitchell E. Daniels Jr.
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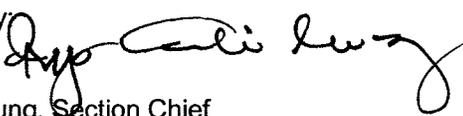
REGISTRATION OFFICE OF AIR QUALITY

Geocel, LLC
2504 Marina Drive and 2500 Marina Drive
Elkhart, IN 46514

Pursuant to 326 IAC 2-5.1 (Construction of New Sources: Registrations) and 326 IAC 2-5.5 (Registrations), (herein known as the Registrant) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this registration.

Registration No. 039-26703-00605	
Issued by: <i>Original Signed By:</i> Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: August 21, 2008

Registration Revision No. 039-28991-00605, issued on April 6, 2010.

Registration Notice-Only Change No. 039-30096-00605	
Issued By:  Iryn Calilung, Section Chief Permits Branch Office of Air Quality	Issuance Date: February 1, 2011

SECTION A

SOURCE SUMMARY

This registration 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 Registrant 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 Registrant to obtain additional permits pursuant to 326 IAC 2.

A.1 General Information

The Registrant owns and operates a stationary sealant, caulk, and adhesive manufacturing plant.

Source Address:	2504 Marina Drive, Elkhart, Indiana 46514; and 2500 Marina Drive, Elkhart, Indiana 46514
SIC Code:	2891
County Location:	Elkhart
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Registration

A.2 Emission Units and Pollution Control Equipment Summary

This stationary source consists of the following emission units and pollution control devices:

Main Production Building

(a) Pigmenting operations as follows:

- (1) One (1) open-top mixing tank, constructed after 1975 and before 1982, identified as P1, used for the solvent-based pigmenting process, with emissions exhausting to the atmosphere, a total maximum throughput of 1,631 pounds of material per batch, and a processing time of one batch per hour.
- (2) One (1) open-top mixing tank, constructed after 1975 and before 1982, identified as P2, used for both solvent based or water-based pigmenting processes, with emissions exhausting to the atmosphere, a total maximum throughput of 2,000 pounds of material per batch, and a processing time of three batches per day.
- (3) One (1) open-top mixing bucket (5-gallon pail), identified as P3, constructed in 2007, used for the solvent-based and latex-based pigmenting process, utilizing no control devices, and exhausting within the building.
- (4) One (1) pigmenting mixing bucket (5-gallon pail), identified as P4, approved for construction in 2010, used for mixing water-based or solvent-based pigments, utilizing no control devices, and exhausting within the building.

(b) Six (6) solvent mixing tanks equipped with tight fitting lids, equipped with six (6) condensers to capture solvent, using closed loop piping to return the solvent to the mixing tanks for reuse. All six (6) solvent mixing tanks exhaust to a condenser (C1 through C5 and C7). Condensers C1 through C5 and condenser C7 exhaust to one (1) final condenser, C8. The condensers are considered an integral part of the process.

- (1) One (1) solvent mixing tank identified as E1, installed in 1978, with a capacity of 1,000 gallons, equipped with a condenser C1.
- (2) One (1) solvent mixing tank identified as E2, installed on 3/1/2003, with a capacity of 1,900 gallons, equipped with a condenser C2.

- (3) One (1) solvent mixing tank identified as E3, installed on 4/1/2005, with a capacity of 570 gallons, equipped with a condenser C3.
 - (4) One (1) solvent mixing tank identified as E4, installed in 1990, with a capacity of 400 gallons, equipped with a condenser C4.
 - (5) One (1) solvent mixing tank identified as E5, installed in 1982, with a capacity of 400 gallons, equipped with a condenser C5.
 - (6) One (1) solvent mixing tank identified as E7, installed in 1990, with a capacity of 1,000 gallons, equipped with a condenser C7.
- (c) Cleaning operations for the solvent mixing tank as follows: cleaners and solvents having a vapor pressure less than two kilo Pascals (2.0 kPa) at thirty-eight degrees Centigrade (38°C) and less than seven-tenths kilo Pascals (0.7 kPa) at twenty degrees Centigrade (20°C) where the use of which, for all cleaners and solvents combined, does not exceed one hundred forty-five (145) gallons per twelve (12) consecutive month period.
 - (d) Blended product holding tanks as follows: twelve (12) storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons.
 - (e) Finished product packaging area where final water-based and solvent-based finished products (sealants, caulks, adhesives, and solvents) are mechanically inserted into small cartridges, tubes, cans, pails, or other small containers for staging and/or shipping.
 - (f) Five (5) maintenance parts washers, constructed around 1994, with a maximum throughput of twenty-five (25) gallons of solvent per month, and using solvents that contain less than 5% by weight halogenated HAPs.
 - (g) Two (2) perchloroethylene storage tanks identified as Perchloroethylene-1 and Perchloroethylene-2, constructed after 1975 and before 1982, with a maximum storage capacity of 5,000 gallons (668.4 cubic feet), and an annual throughput rate of 112,274 gallons of perchloroethylene per year.
 - (h) Two (2) plasticizer storage tanks identified as Plasticizer-1 and Plasticizer-1, constructed after 1975 and before 1982, with a maximum storage capacity of 5,000 gallons (668.4 cubic feet), and an annual throughput rate of 112,274 gallons of plasticizer raw material per year.
 - (i) One (1) aromatic fluid storage tank identified as Aromatic 100-1, constructed after 1975 and before 1982, with a maximum storage capacity of 4,000 gallons (534.72 cubic feet), and an annual throughput rate of 89,800 gallons of Aromatic 100 fluid per year.
 - (j) One (1) aromatic fluid storage tank identified as Aromatic 100-2, constructed after 1975 and before 1982, with a maximum storage capacity of 4,000 gallons (534.72 cubic feet), and an annual throughput rate of 89,800 gallons of Aromatic 100 fluid per year.
 - (k) One (1) 490-gallon latex compounder, identified as E6, with a maximum capacity of 1,215 pounds per batch, processing a maximum of two (2) batches per day, constructed in 2007, with emissions controlled by condenser C6.
 - (l) One (1) 90-gallob latex compounder, identified as E8, with a maximum batch capacity of 244 pounds per batch, processing a maximum of two-tenths (0.2) batches per day, constructed in 2007, utilizing no control devices.

- (m) One (1) reactives compounder identified as E9, with a maximum capacity of 100 gallons, constructed in 2007, using only non-VOC and non-HAP materials, with emissions controlled by condenser C9, and exhausting within the building.
- (n) One basic maintenance area that includes basic maintenance-related items such as welding, grinding, and sawing and cutting operations.
- (o) Two (2) enclosed tank washers, approved for construction in 2011, with a combined maximum throughput of 100 gallons of solvent per year.

Urethane Sealant Manufacturing Building

- (a) One (1) 200-gallon mixer, identified as M1, approved for construction in 2010, using a dust collection system as particulate control, and exhausting within the building.
- (b) One (1) 100-gallon mixer, identified as M2, approved for construction in 2010, using a dust collection system as particulate control, and exhausting within the building.
- (c) One (1) 100-gallon mixer, identified as M3, approved for construction in 2011, using a dust collection system as particulate control, and exhausting within the building.
- (d) One (1) pigmenting mixing bucket (5-gallon pail), identified as P5, approved for construction in 2011, used for mixing water-based or solvent-based pigments, utilizing no control devices, and exhausting to the atmosphere.
- (e) One (1) maintenance parts washer, constructed in 2008, with a maximum throughput of eight (8) gallons of Mineral Spirits per month.
- (f) One (1) enclosed tank washer, approved for construction in 2011, with a maximum throughput of 500 gallons of solvent per year.
- (g) One basic maintenance area that includes basic maintenance-related items such as welding, grinding, and sawing and cutting operations.

SECTION B

GENERAL CONDITIONS

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

Terms in this registration 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 Effective Date of Registration [IC 13-15-5-3]

Pursuant to IC 13-15-5-3, this registration 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.

B.3 Registration Revocation [326 IAC 2-1.1-9]

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

- (a) Violation of any conditions of this registration.
- (b) Failure to disclose all the relevant facts, or misrepresentation in obtaining this registration.
- (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 registration shall not require revocation of this registration.
- (d) For any cause which establishes in the judgment of IDEM, the fact that continuance of this registration is not consistent with purposes of this article.

B.4 Prior Permits Superseded [326 IAC 2-1.1-9.5]

- (a) All terms and conditions of permits established prior to Registration No. 039-26703-00605 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 registration.

B.5 Annual Notification [326 IAC 2-5.1-2(f)(3)] [326 IAC 2-5.5-4(a)(3)]

Pursuant to 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3):

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

Indiana Department of Environmental Management
Compliance and Enforcement Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, IN 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.6 Source Modification Requirement [326 IAC 2-5.5-6(a)]

Pursuant to 326 IAC 2-5.5-6(a), an application or notification shall be submitted in accordance with 326 IAC 2 to the Office of Air Quality (OAQ) if the source proposes to construct new emission units, modify existing emission units, or otherwise modify the source.

B.7 Registrations [326 IAC 2-5.1-2(i)]

Pursuant to 326 IAC 2-5.1-2(i), this registration does not limit the source's potential to emit.

SECTION C

SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

C.1 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:

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

The Registrant 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).

SECTION D.1

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

Main Production Building

- (a) Pigmenting operations as follows:
- (1) One (1) open-top mixing tank, constructed after 1975 and before 1982, identified as P1, used for the solvent-based pigmenting process, with emissions exhausting to the atmosphere, a total maximum throughput of 1,631 pounds of material per batch, and a processing time of one batch per hour.
 - (2) One (1) open-top mixing tank, constructed after 1975 and before 1982, identified as P2, used for both solvent based or water-based pigmenting processes, with emissions exhausting to the atmosphere, a total maximum throughput of 2,000 pounds of material per batch, and a processing time of three batches per day.
 - (3) One (1) open-top mixing bucket (5-gallon pail), identified as P3, constructed in 2007, used for the solvent-based and latex-based pigmenting process, utilizing no control devices, and exhausting within the building.
 - (4) One (1) pigmenting mixing bucket (5-gallon pail), identified as P4, approved for construction in 2010, used for mixing water-based or solvent-based pigments, utilizing no control devices, and exhausting within the building.
- (b) Six (6) solvent mixing tanks equipped with tight fitting lids, equipped with six (6) condensers to capture solvent, using closed loop piping to return the solvent to the mixing tanks for reuse. All six (6) solvent mixing tanks exhaust to a condenser (C1 through C5 and C7). Condensers C1 through C5 and condenser C7 exhaust to one (1) final condenser, C8. The condensers are considered an integral part of the process (see Air Pollution Control Justification as an Integral Part of the Process section below).
- (1) One (1) solvent mixing tank identified as E1, installed in 1978, with a capacity of 1,000 gallons, equipped with a condenser C1.
 - (2) One (1) solvent mixing tank identified as E2, installed on 3/1/2003, with a capacity of 1,900 gallons, equipped with a condenser C2.
 - (3) One (1) solvent mixing tank identified as E3, installed on 4/1/2005, with a capacity of 570 gallons, equipped with a condenser C3.
 - (4) One (1) solvent mixing tank identified as E4, installed in 1990, with a capacity of 400 gallons, equipped with a condenser C4.
 - (5) One (1) solvent mixing tank identified as E5, installed in 1982, with a capacity of 400 gallons, equipped with a condenser C5.
 - (6) One (1) solvent mixing tank identified as E7, installed in 1990, with a capacity of 1,000 gallons, equipped with a condenser C7.
- (c) Cleaning operations for the solvent mixing tank as follows: cleaners and solvents having a vapor pressure less than two kilo Pascals (2.0 kPa) at thirty-eight degrees Centigrade (38°C) and less than seven-tenths kilo Pascals (0.7 kPa) at twenty degrees Centigrade (20°C) where the use of which, for all cleaners and solvents combined, does not exceed one hundred forty-

five (145) gallons per twelve (12) consecutive month period.

- (d) Blended product holding tanks as follows: twelve (12) storage tanks with capacity less than or equal to one thousand (1,000) gallons and annual throughputs equal to or less than twelve thousand (12,000) gallons.
- (e) Finished product packaging area where final water-based and solvent-based finished products (sealants, caulks, adhesives, and solvents) are mechanically inserted into small cartridges, tubes, cans, pails, or other small containers for staging and/or shipping.
- (f) Five (5) maintenance parts washers, constructed around 1994, each with a maximum throughput of twenty-five (25) gallons of solvent per month, and using solvents that contain less than 5% by weight halogenated HAPs.
- (g) Two (2) perchloroethylene storage tanks identified as Perchloroethylene-1 and Perchloroethylene-2, constructed after 1975 and before 1982, each with a maximum storage capacity of 5,000 gallons (668.4 cubic feet), and an annual throughput rate of 112,274 gallons of perchloroethylene per year.
- (h) Two (2) plasticizer storage tanks identified as Plasticizer-1 and Plasticizer-2, constructed after 1975 and before 1982, each with a maximum storage capacity of 5,000 gallons (668.4 cubic feet), and an annual throughput rate of 112,274 gallons of plasticizer raw material per year.
- (i) One (1) aromatic fluid storage tank identified as Aromatic 100-1, constructed after 1975 and before 1982, with a maximum storage capacity of 4,000 gallons (534.72 cubic feet), and an annual throughput rate of 89,800 gallons of Aromatic 100 fluid per year.
- (j) One (1) aromatic fluid storage tank identified as Aromatic 100-2, constructed after 1975 and before 1982, with a maximum storage capacity of 4,000 gallons (534.72 cubic feet), and an annual throughput rate of 89,800 gallons of Aromatic 100 fluid per year.
- (k) One (1) 490-gallon latex compounder, identified as E6, with a maximum capacity of 1,215 pounds per batch, processing a maximum of two (2) batches per day, constructed in 2007, with emissions controlled by condenser C6.
- (l) One (1) 90-gallon latex compounder, identified as E8, with a maximum batch capacity of 244 pounds per batch, processing a maximum of two-tenths (0.2) batches per day, constructed in 2007, utilizing no control devices.
- (m) One (1) reactives compounder identified as E9, with a maximum capacity of 100 gallons, constructed in 2007, using only non-VOC and non-HAP materials, with emissions controlled by condenser C9, and exhausting within the building.
- (n) One basic maintenance area that includes basic maintenance-related items such as welding, grinding, and sawing and cutting operations.
- (o) Two (2) enclosed tank washers, approved for construction in 2011, with a combined maximum throughput of 100 gallons of solvent per year.

(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 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

D.1.1 Cold Cleaners [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the five (5) maintenance parts washers and two (2) enclosed tank washers, which are cold cleaning operations constructed after January 1, 1980, the Registrant 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.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-3-5]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the two (2) enclosed tank washers, which are cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Registrant 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 of 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 Registrant 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.

Compliance Determination Requirements [326 IAC 2-5.1-2(g)] [326 IAC 2-5.5-4(b)]

D.1.3 Condensers

Pursuant to 326 IAC 2-5.5, the condensers shall operate at all time when one or more solvent mixing tanks are in operation.

SECTION D.2

OPERATION CONDITIONS

Facility Description [326 IAC 2-5.1-2(f)(2)] [326 IAC 2-5.5-4(a)(2)]:

Urethane Sealant Manufacturing Building

- (a) One (1) 200-gallon mixer, identified as M1, approved for construction in 2010, using a dust collection system as particulate control, and exhausting within the building.
- (b) One (1) 100-gallon mixer, identified as M2, approved for construction in 2010, using a dust collection system as particulate control, and exhausting within the building.
- (c) One (1) 100-gallon mixer, identified as M3, approved for construction in 2011, using a dust collection system as particulate control, and exhausting within the building.
- (d) One (1) pigmenting mixing bucket (5-gallon pail), identified as P5, approved for construction in 2011, used for mixing water-based or solvent-based pigments, utilizing no control devices, and exhausting to the atmosphere.
- (e) One (1) maintenance parts washer, constructed in 2008, with a maximum throughput of eight (8) gallons of Mineral Spirits per month.
- (f) One (1) enclosed tank washer, approved for construction in 2011, with a maximum throughput of 500 gallons of solvent per year.
- (g) One basic maintenance area that includes basic maintenance-related items such as welding, grinding, and sawing and cutting operations.

(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 2-5.1-2(f)(1)] [326 IAC 2-5.5-4(a)(1)]

D.2.1 Cold Cleaners [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), the one (1) maintenance parts washer and one (1) enclosed tank washer, which are cold cleaning operations constructed after January 1, 1980, the Registrant 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]

- (a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the one (1) enclosed tank washer, which is a cold cleaner degreaser operation without remote solvent reservoir constructed after July 1, 1990, the Registrant 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 Registrant 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 AND ENFORCEMENT BRANCH**

**REGISTRATION
ANNUAL NOTIFICATION**

This form should be used to comply with the notification requirements under 326 IAC 2-5.1-2(f)(3) and 326 IAC 2-5.5-4(a)(3).

Company Name:	Geocel, LLC
Address(es):	2504 Marina Drive and 2500 Marina Drive
City:	Elkhart, Indiana 46514
Registration No.:	039-26703-00605

I hereby certify that Geocel Corporation is :

still in operation.

I hereby certify that Geocel Corporation is :

no longer in operation.

in compliance with the requirements of Registration No. 039-26703-00605.

not in compliance with the requirements of Registration No. 039-26703-00605.

Authorized Individual (typed):
Title:
Signature:
Phone Number:
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:

**Appendix A: Emission Calculations
Emission Summary**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Unlimited Potential to Emit of the Revision (tons/yr)									
Emission Unit	PM	PM10	PM2.5	SO ₂	VOC	CO	NO _x	Single HAP (Perchloroethylene)	Combined HAPs
Main Production Building									
Tank Cleaning*	-	-	-	-	-	-	-	0.001	-
Enclosed Tank Washers	-	-	-	-	0.36	-	-	0.001	0.01
Urethane Sealant Manufacturing Bldg.									
Parts Washer**	-	-	-	-	-	-	-	0.001	0.001
Urethane Sealant Production (M3)	1.83	1.83	1.83	-	2.47	-	-	-	0.02
Enclosed Tank Washer	-	-	-	-	1.82	-	-	0.003	0.06
Total	1.83	1.83	1.83	0.00	4.65	0.00	0.00	0.01	0.10

* The potential to emit VOC and combined HAPs from Tank Cleaning did not change due to this revision.

** The potential to emit VOC did not change for the parts washer due to the change in solvent.

Unlimited Potential to Emit After Issuance (tons/yr)									
Emission Unit	PM	PM10	PM2.5	SO ₂	VOC	CO	NO _x	Single HAP (Perchloroethylene)	Combined HAPs
Main Production Building									
Mixing Tank P1	0.11	0.11	0.11	-	0.10	-	-	1.26	1.27
Mixing Tank P2	0.02	0.02	0.02	-	0.02	-	-	0.25	0.25
Latex Compounding (E6 & E8)	-	-	-	-	0.62	-	-	-	0.62
Solvent Mixing Tanks (E1 - E5, E7)	-	-	-	-	2.82	-	-	5.22	5.31
Tank Cleaning	-	-	-	-	0.53	-	-	0.001	0.02
Parts Washers	-	-	-	-	5.03	-	-	0.01	0.01
Enclosed Tank Washers	-	-	-	-	0.36	-	-	0.001	0.01
Storage Tanks	-	-	-	-	0.01	-	-	0.11	0.11
Product Holding Tanks*	-	-	-	-	0.01	-	-	0.11	0.11
Finished Product Packaging**	-	-	-	-	2.74	-	-	1.00	2.50
Urethane Sealant Manufacturing Bldg.									
Urethane Sealant Production (M1 & M2)	2.56	2.56	2.56	-	7.35	-	-	-	0.06
Parts Washer	-	-	-	-	0.32	-	-	0.001	0.001
Urethane Sealant Production (M3)	1.83	1.83	1.83	-	2.47	-	-	-	0.02
Enclosed Tank Washer	-	-	-	-	1.82	-	-	0.003	0.06
Total	4.52	4.52	4.52	0.00	24.20	0.00	0.00	7.98	10.38

Note:

*As a worst case scenario, potentials to emit from the product holding tanks are assumed to be equal to potential emissions from the storage tanks which hold pure solvents.

**The finished product packaging area consists of water-based and solvent-based finished products being mechanically inserted into small cartridges, tubes, cans, pails and other small containers. Due to the consistency of the final products, there are no particulate emissions expected from product packaging. It is assumed that the packaging area will not emit more than 15 lbs/day (or 2.74 tons/yr) of VOC, 1.00 ton/yr of a single HAP, and 2.50 tons per year of combined HAPs.

**Appendix A: Emission Calculations
Particulate, VOC, and HAP Emissions from Tank P1**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

VOC/HAPs from Open-Top Mixing Tank P1

Material	Material Usage (lbs/batch)	Maximum Total Material Loss (lbs/batch)*	Quantity Released (lbs/batch)	Processing Time (batches/day)	Weight % VOC	Weight % Xylene	Weight % Cumene	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Cumene (tons/yr)	PTE Perchloroethylene (tons/yr)
SC-100 Solvent	62.13	0.50	0.04	15.0	100%	2.20%	1.10%	0.00%	0.10	0.00	0.00	0.00
Perchloroethylene	761.91		0.46	15.0	0.00%	0.00%	0.00%	99.9%	0.00	0.00	0.00	1.26
Total	824							Total	0.10	0.00	0.00	1.26

Note:

The pigment mixing process consists of mixing SC-100 solvent and Perchloroethylene with various aqueous pigment pastes, which contain no VOCs or HAPs. The amount of SC-100 or Perchloroethylene used depends on the recipe for the pigmented product. The amounts shown above are for TP Almond and represent the worst case recipe for VOC and for HAP.

*The maximum total material loss per batch was determined using a mass balance approach. The weigh scale used did not detect any material loss. The weigh scale is accurate to 0.50 pounds; therefore, it is assumed that 0.50 pounds of the pigmented product are lost per batch. This assumption has been used for this operation since the initial review and permitting of this source on September 1, 2004.

Perchloroethylene is considered non-VOC as listed in the definition of VOC.

PTE is based on batches per day, not 8,760 hours per year.

Methodology:

Quantity Released (lbs/batch) = Material Usage (lbs/batch) / Total Material Usage (lbs/batch) x Maximum Total Material Loss (lbs/batch)

PTE VOC (tons/yr) = Quantity Released (lbs/batch) x Processing Time (batches/day) x Weight % VOC x 365 days/yr x 1 ton/2,000 lbs

PTE HAP (tons/yr) = Quantity Released (lbs/batch) x Processing Time (batches/day) x Weight % HAP x 365 days/yr x 1 ton/2,000 lbs

Particulate Emissions from Open-Top Mixing Tank P-1

Amount of Pigment in Blend (lbs/batch)	Processing Time (batches/day)	PM/PM10/PM2.5 Emission Factor (lbs/ton pigment)	PTE PM/PM10/PM2.5 (tons/yr)
4.00	15.0	20.0	0.11

Note:

Assume PM = PM10 = PM2.5.

Emission factor is from AP-42, Chapter 6.4, Table 6.4-1 [5/83; reformatted 1/95].

Methodology

PTE PM/PM10 (tons/yr) = Amount of Pigment in Blend (lbs/batch) x Processing Time (batches/day) x 1 ton/2,000 lbs x Emission Factor (lbs/ton pigment) x 365 days/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
Particulate, VOC, and HAP Emissions from Tank P2**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

VOC/HAPs from Open-Top Mixing Tank P2

Material	Material Usage (lbs/batch)	Maximum Total Material Loss (lbs/batch)*	Quantity Released (lbs/batch)	Processing Time (batches/day)	Weight % VOC	Weight % Xylene	Weight % Cumene	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Cumene (tons/yr)	PTE Perchloroethylene (tons/yr)
SC-100 Solvent	62.13	0.50	0.04	3.0	100%	2.20%	1.10%	0.00%	0.02	0.00	0.00	0.00
Perchloroethylene	761.91		0.46	3.0	0.00%	0.00%	0.00%	99.9%	0.00	0.00	0.00	0.25
Total	824							Total	0.02	0.00	0.00	0.25

Note:

In this water-based pigment mixing process, water and pigment are added to the material coming out of the compounder. The material already contains SC-100 and Perchloroethylene (see Quantity of Material in Blend above). The amounts shown above are for TP Almond and represent the worst case recipe for VOC and for HAP.

*The maximum total material loss per batch was determined using a mass balance approach. The weigh scale used did not detect any material loss. The weigh scale is accurate to 0.50 pounds; therefore, it is assumed that 0.50 pounds of the pigmented product are lost per batch. This assumption has been used for this operation since the initial review and permitting of this source on September 1, 2004.

Perchloroethylene is considered non-VOC as listed in the definition of VOC.

PTE is based on batches per day, not 8,760 hours per year.

Methodology:

Quantity Released (lbs/batch) = Material Usage (lbs/batch) / Total Material Usage (lbs/batch) x Maximum Total Material Loss (lbs/batch)

PTE VOC (tons/yr) = Quantity Released (lbs/batch) x Processing Time (batches/day) x Weight % VOC x 365 days/yr x 1 ton/2,000 lbs

PTE HAP (tons/yr) = Quantity Released (lbs/batch) x Processing Time (batches/day) x Weight % HAP x 365 days/yr x 1 ton/2,000 lbs

Particulate Emissions from Open-Top Mixing Tank P-2

Amount of Pigment in Blend (lbs/batch)	Processing Time (batches/day)	PM/PM10/PM2.5 Emission Factor (lbs/ton pigment)	PTE PM/PM10/PM2.5 (tons/yr)
4.00	3.0	20.0	0.02

Note:

Assume PM = PM10 = PM2.5.

Emission factor is from AP-42, Chapter 6.4, Table 6.4-1 [5/83; reformatted 1/95].

Methodology

PTE PM/PM10 (tons/yr) = Amount of Pigment in Blend (lbs/batch) x Processing Time (batches/day) x 1 ton/2,000 lbs x Emission Factor (lbs/ton pigment) x 365 days/yr x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC and HAP Emissions from Latex Compounds**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

Material	Material Usage (lbs/batch)	Processing Time (batches/day)	Weight % VOC	Weight % Vinyl Acetate	Weight % Acetaldehyde	Weight % Acrylonitrile	PTE VOC (tons/yr)	PTE Vinyl Acetate (tons/yr)	PTE Acetaldehyde (tons/yr)	PTE Acrylonitrile (tons/yr)
Latex Compounder E6										
Latex 123	1,215	2.00	0.001%	0.00%	0.00%	0.001%	0.00	0.00	0.00	0.00
Latex 367	1,215	2.00	0.14%	0.10%	0.04%	0.00%	0.62	0.44	0.18	0.00
Latex Compounder E8										
Latex 123	224	0.20	0.001%	0.00%	0.00%	0.001%	0.00	0.00	0.00	0.00
Latex 367	224	0.20	0.14%	0.10%	0.04%	0.00%	0.01	0.01	0.00	0.00
Worst-case PTE							0.62	0.44	0.18	0.00

Single HAP	0.44	Acetate
Combined HAPs	0.62	

Note:

As a worst-case scenario, it is assumed that the entire batch consists of a latex material.

Methodology:

PTE VOC/HAP (tons/yr) = Material Usage (lbs/batch) x Processing Time (batches/day) x Weight % VOC or HAP x 365 days/yr x 1 ton/2,000 lbs

Appendix A: Emission Calculations
VOC and HAP Emissions from Solvent Compounding Mixing Tanks

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

Actual measured quantity of solvent captured in the final condenser:	5.2 gal/week
Actual weeks of operation:	50 weeks/yr
Actual hours of operation:	2942 hrs/yr
Conservative estimate of control efficiency of final condenser:	50.0 %
Estimated actual amount of solvent emitted from final condenser:	260 gal/yr
Potential amount of solvent emitted from final condenser:	774 gal/yr

Material	Density (lbs/gal)	Weight % VOC	Weight % Xylene	Weight % Cumene	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Cumene (tons/yr)	PTE Perchloroethylene (tons/yr)
SC-100 Solvent	7.29	100%	2.20%	1.10%	0.00%	2.82	0.06	0.03	0.00
Perchloroethylene	13.5	0.00%	0.00%	0.00%	99.9%	0.00	0.00	0.00	5.22
Total						2.82	0.06	0.03	5.22

Note:

The source has five (5) solvent mixing tanks with closed loop solvent piping. These tanks all exhaust through a final condenser.

The actual measured quantity of solvent captured in the final condenser, actual weeks of operation, actual hours of operation, and conservative estimate of the control efficiency of the condenser are reported by the source.

The actual measured quantity of solvent captured assumes the condensers are integral to the solvent mixing process.

Methodology

Actual amount of solvent emitted (gal/yr) = Actual measured quantity of solvent captured in the final condenser (gal/week) x Actual weeks of operation (weeks/yr)
 Potential amount of solvent emitted (gal/yr) = Actual amount of solvent emitted (gal/yr) / Actual hours of operation (hrs/yr) x 8,760 hrs/yr
 PTE VOC (tons/yr) = Potential amount of solvent emitted (gal/yr) x Density (lbs/gal) x Weight % VOC x 1 ton/2,000 lbs
 PTE HAP (tons/yr) = Potential amount of solvent emitted (gal/yr) x Density (lbs/gal) x Weight % HAP x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC and HAP Emissions from Storage Tanks**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

Tank ID	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Perchloroethylene (tons/yr)	PTE Total HAPs (tons/yr)
Perchloroethylene-1	0.00	0.00	0.06	0.06
Perchloroethylene-2	0.00	0.00	0.06	0.06
Aromatic 100-1	2.91E-03	3.00E-04	0.00	3.00E-04
Aromatic 100-2	2.91E-03	3.00E-04	0.00	3.00E-04
Worst-Case PTE:	0.01	0.00	0.11	0.11

Note:

The potential emissions reported above were provided by the source and were calculated using TANKS 4.0.9d.

Appendix A: Emission Calculations
VOC and HAP Emissions from Cleaning of Solvent Mixing Tanks

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

Tanks E-1 through E-5, and E-7

Material	Density (lbs/gal)	Maximum Usage (gal/yr)	Weight % VOC	Weight % Xylene	Weight % Cumene	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Cumene (tons/yr)	PTE Perchloroethylene (tons/yr)
SC-100 Solvent	7.29	145	100%	2.20%	1.10%	0.00%	0.53	0.01	0.01	0.00
Safety-Kleen Solvent 105	6.70	145	100%	0.00%	0.00%	0.20%	0.49	0.00	0.00	0.001

Worst Case Solvent = 0.53 0.01 0.01 0.001

Note:

As a worst-case scenario, the calculations above assume a solvent usage rate of 145 gallons per year for the solvent mixing tank cleaning process.

The source reuses the solvent used for cleaning and expects to use less than 145 gallons per year.

The source has requested the flexibility to use either the SC-100 solvent or the safety-kleen solvent. Therefore, the PTE will be based on the worst case solvent for each pollutant.

Methodology

PTE VOC/HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC or HAP x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC and HAP Emissions from Parts Washers**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

Parts Washers (5)

Material	Density (lbs/gal)	Maximum Usage (gal/yr)	Weight % VOC	Weight % Perchloroethylene	Weight % Ethyl Benzene	Weight % 1,2,4-Trimethylbenzene	PTE VOC (tons/yr)	PTE Perchloroethylene (tons/yr)	PTE Ethyl Benzene (tons/yr)	PTE 1,2,4-Trimethylbenzene (tons/yr)	PTE Total HAPs (tons/yr)
Safety-Kleen Solvent 105	6.70	1500	100%	0.20%	0.00%	0.00%	5.03	0.01	0.00	0.00	0.01
Worst-case PTE							5.03	0.01	0.00	0.00	0.01

Methodology

PTE VOC/HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC or HAP x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC and HAP Emissions from Enclosed Tank Washers**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Main Production Building

Enclosed Tank Washers (2)

Material	Density (lbs/gal)	Maximum Usage (gal/yr)	Weight % VOC	Weight % Xylene	Weight % Cumene	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Cumene (tons/yr)	PTE Perchloroethylene (tons/yr)
SC-100 Solvent	7.29	100	100%	2.20%	1.10%	0.00%	0.36	0.01	0.004	0.00
Safety-Kleen Solvent 105	6.70	100	100%	0.00%	0.00%	0.20%	0.34	0.00	0.00	0.001

Worst Case Solvent = 0.36 0.01 0.004 0.001

Note:

The source reuses the solvent used for cleaning and expects to use less than 100 gallons per year. The source has requested the flexibility to use either the SC-100 solvent or the safety-kleen solvent. Therefore, the PTE will be based on the worst case solvent for each pollutant.

Methodology

PTE VOC/HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC or HAP x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC and HAP Emissions from Urethane Production**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Urethane Sealant Manufacturing Building

Mixing Tanks (M-1 and M-2)

Material	Density (lbs/gal)	Maximum Usage (gals/yr)	Weight % VOC	Weight % Methanol	PTE VOC (tons/yr)	PTE Methanol (tons/yr)
Jeffcat DMDEE Catalyst	8.84	850.0	76%	0.00%	2.86	0.00
Silquest A-187 Silane	8.92	850.0	100%	0.20%	3.75	0.01
Silquest A-1120 Silane	8.59	850.0	20.00%	1.50%	0.75	0.06
Total PTE:					7.35	0.06

Note:

Material Usage Rate Based on Assumption each component makes up 1% of total urethane sealant manufactured at the facility.

Methodology:

PTE HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gals/yr) x Weight % VOC or HAP x (1 ton/2,000 lbs)

**Appendix A: Emission Calculations
Particulate Emissions from Urethane Production**

Company Name: Geocel Corporation
Address: 2504 Marina Drive, Elkhart, IN 46514
2500 Marina Drive, Elkhart, IN 46514
Registration: 039-26703-00605
Reviewer: Jason R. Krawczyk
Date: March 22, 2010

Emission Unit	Processing Time (batches/day)	Maximum Capacity Dry Raw Materials (lbs/batch)	Emission Factor (lb/ton)	Uncontrolled PTE PM/PM10/PM2.5	
				(lb/hr)	(ton/yr)
Mixer M1	1.5	802	20	0.50	2.20
Mixer M2	0.5	401	20	0.08	0.37
Total PTE:				0.58	2.56

Note:

Emission Factor from AP-42 Chapter 6.4, Table 6.4-1

Methodology:

Uncontrolled PTE = Processing Time (batches/day) * Maximum Capacity Dry Raw Materials (lbs/batch) * Emission Factor (lb/ton) / 2,000 lbs / 24 hrs.

**Appendix A: Emission Calculations
VOC and HAP Emissions from Parts Washer**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Urethane Sealant Manufacturing Building

Parts Washer (1)

Material	Density (lbs/gal)	Maximum Usage (gal/yr)	Weight % VOC	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Perchloroethylene (tons/yr)	PTE Total HAPs (tons/yr)
Safety-Kleen Solvent 105	6.70	96	100%	0.20%	0.32	0.001	0.001
Worst-case PTE					0.32	0.001	0.001

Methodology

PTE VOC/HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC or HAP x 1 ton/2,000 lbs

**Appendix A: Emission Calculations
VOC and HAP Emissions from Urethane Production**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Urethane Sealant Manufacturing Building

Mixing Tank (M-3)

Material	Density (lbs/gal)	Maximum Usage (gals/yr)	Weight % VOC	Weight % Methanol	PTE VOC (tons/yr)	PTE Methanol (tons/yr)
Jeffcat DMDEE Catalyst	8.84	285.0	76%	0.00%	0.96	0.00
Silquest A-187 Silane	8.92	285.0	100%	0.20%	1.26	0.00
Silquest A-1120 Silane	8.59	285.0	20.00%	1.50%	0.25	0.02
Total PTE:					2.47	0.02

Note:

Material Usage Rate Based on Assumption each component makes up 1% of total urethane sealant manufactured at the facility.

Methodology:

PTE HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gals/yr) x Weight % VOC or HAP x (1 ton/2,000 lbs)

**Appendix A: Emission Calculations
Particulate Emissions from Urethane Production**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Emission Unit	Processing Time (batches/day)	Maximum Capacity Dry Raw Materials (lbs/batch)	Emission Factor (lb/ton)	Uncontrolled PTE PM/PM10/PM2.5	
				(lb/hr)	(ton/yr)
Mixer M3	2	500	20	0.42	1.83
Total PTE:				0.42	1.83

Note:

Emission Factor from AP-42 Chapter 6.4, Table 6.4-1

Methodology:

Uncontrolled PTE = Processing Time (batches/day) * Maximum Capacity Dry Raw Materials (lbs/batch) * Emission Factor (lb/ton) / 2,000 lbs / 24 hrs.

**Appendix A: Emission Calculations
VOC and HAP Emissions from Enclosed Tank Washers**

Company Name: Geocel Corporation
Address City IN Zip: 2504 Marina Drive, Elkhart, IN 46514
 2500 Marina Drive, Elkhart, IN 46514
Permit Number: 039-30096-00605
Reviewer: Brian Williams

Urethane Sealant Manufacturing Building

Enclosed Tank Washers (1)

Material	Density (lbs/gal)	Maximum Usage (gal/yr)	Weight % VOC	Weight % Xylene	Weight % Cumene	Weight % Perchloroethylene	PTE VOC (tons/yr)	PTE Xylene (tons/yr)	PTE Cumene (tons/yr)	PTE Perchloroethylene (tons/yr)
SC-100 Solvent	7.29	500	100%	2.20%	1.10%	0.00%	1.82	0.04	0.020	0.00
Safety-Kleen Solvent 105	6.70	500	100%	0.00%	0.00%	0.20%	1.68	0.00	0.00	0.003

Worst Case Solvent = 1.82 0.04 0.02 0.003

Note:

The source reuses the solvent used for cleaning and expects to use less than 100 gallons per year. The source has requested the flexibility to use either the SC-100 solvent or the safety-kleen solvent. Therefore, the PTE will be based on the worst case solvent for each pollutant.

Methodology

PTE VOC/HAP (tons/yr) = Density (lbs/gal) x Maximum Usage (gal/yr) x Weight % VOC or HAP x 1 ton/2,000 lbs



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

Mitchell E. Daniels Jr.
Governor

Thomas W. Easterly
Commissioner

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(317) 232-8603
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www.idem.IN.gov

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

TO: Doug Mattix
Geocel LLC,
2504 Marina Dr
Elkhart, IN 46514

DATE: February 1, 2011

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

SUBJECT: Final Decision
Registration - Notice-Only Change
039 - 30096 - 00605

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

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

A copy of the final decision and supporting materials has also been sent via standard mail to:
Joseph VanCamp Cornerstone Environmental, Health & Safety
OAQ Permits Branch Interested Parties List

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

Final Applicant Cover letter.dot 11/30/07

Mail Code 61-53

IDEM Staff	LPOGOST 2/1/2011 Geocel LLC 039 - 30096 - 00605 final)		Type of Mail: CERTIFICATE OF MAILING ONLY	AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204		

Line	Article Number	Name, Address, Street and Post Office Address	Postage	Handing Charges	Act. Value (If Registered)	Insured Value	Due Send if COD	R.R. Fee	S.D. Fee	S.H. Fee	Rest. Del. Fee	Remarks
1		Doug Mattix Geocel LLC 2504 Marina Dr Elkhart IN 46514 (Source CAATS) Via confirmed delivery										
2		Elkhart County Health Department Elkhart County Health Department 608 Oakland Avenue Elkhart IN 46516 (Health Department)										
3		Laurence A. McHugh Barnes & Thornburg 100 North Michigan South Bend IN 46601-1632 (Affected Party)										
4		Mr. Joseph VanCamp Cornerstone Environmental, Health & Safety, Inc. 312 E Diamond St. Kendallville IN 46755 (Consultant)										
5		Elkhart County Board of Commissioners 117 North Second St. Goshen IN 46526 (Local Official)										
6		Mark Zeltwanger 26545 CR 52 Nappanee IN 46550 (Affected Party)										
7												
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Total number of pieces Listed by Sender	Total number of Pieces Received at Post Office	Postmaster, Per (Name of Receiving employee)	The full declaration of value is required on all domestic and international registered mail. The maximum indemnity payable for the reconstruction of nonnegotiable documents under Express Mail document reconstructing insurance is \$50,000 per piece subject to a limit of \$50, 000 per occurrence. The maximum indemnity payable on Express mil merchandise insurance is \$500. The maximum indemnity payable is \$25,000 for registered mail, sent with optional postal insurance. See Domestic Mail Manual R900, S913, and S921 for limitations of coverage on inured and COD mail. See International Mail Manual for limitations o coverage on international mail. Special handling charges apply only to Standard Mail (A) and Standard Mail (B) parcels.
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