



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

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Michael R. Pence  
Governor

Carol S. Comer  
Commissioner

## NOTICE OF 30-DAY PERIOD FOR PUBLIC COMMENT

Preliminary Findings Regarding a  
Significant Modification to a  
Part 70 Operating Permit

for Eli Lilly and Company, Lilly Technology Center in Marion County

Significant Source Modification No.: 097-36427-00072  
Significant Permit Modification No.: 097-36429-00072

The Indiana Department of Environmental Management (IDEM) has received an application from Eli Lilly and Company, Lilly Technology Center, located at 1555 S. Harding Street, Indianapolis, IN 46168, for a significant modification of its Part 70 Operating Permit Renewal issued on June 13, 2011. If approved by IDEM's Office of Air Quality (OAQ), this proposed modification would allow Eli Lilly and Company, Lilly Technology Center to make certain changes at its existing source. Eli Lilly and Company, Lilly Technology Center has applied to construct and operate a new research building, K302 and a new emergency diesel generator.

The applicant intends to construct and operate new equipment that will emit air pollutants; therefore, the permit contains new or different permit conditions. In addition, some conditions from previously issued permits/approvals have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes (e.g. changes that add or modify synthetic minor emission limits). IDEM has reviewed this application and has developed preliminary findings, consisting of a draft permit and several supporting documents, which would allow the applicant to make this change.

A copy of the permit application and IDEM's preliminary findings are available at:

Indianapolis-Marion County Public Library  
40 E. St. Clair Street  
Indianapolis, IN 46204

A copy of the preliminary findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>.

### How can you participate in this process?

The date that this notice is published in a newspaper marks the beginning of a 30-day public comment period. If the 30<sup>th</sup> day of the comment period falls on a day when IDEM offices are closed for business, all comments must be postmarked or delivered in person on the next business day that IDEM is open.

You may request that IDEM hold a public hearing about this draft permit. If adverse comments concerning the **air pollution impact** of this draft permit are received, with a request for a public hearing, IDEM will decide whether or not to hold a public hearing. IDEM could also decide to hold a public meeting instead of, or in addition to, a public hearing. If a public hearing or meeting is held, IDEM will make a separate announcement of the date, time, and location of that hearing or meeting. At a hearing, you would have an opportunity to submit written comments and make verbal comments. At a meeting, you would have an opportunity to submit written comments, ask questions, and discuss any air pollution concerns with IDEM staff.



Comments and supporting documentation, or a request for a public hearing should be sent in writing to IDEM at the address below. If you comment via e-mail, please include your full U.S. mailing address so that you can be added to IDEM's mailing list to receive notice of future action related to this permit. If you do not want to comment at this time, but would like to receive notice of future action related to this permit application, please contact IDEM at the address below. Please refer to permit number SSM 097-36427-00072 and SPM 097-36429-00072 in all correspondence.

**Comments should be sent to:**

Deena Patton  
IDEM, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
(800) 451-6027, ask for extension 4-5400  
Or dial directly: (317) 234-5400  
Fax: (317) 232-6749 attn: Deena Patton  
E-mail: dpatton2@idem.IN.gov

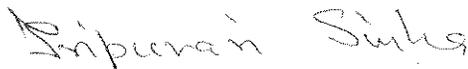
All comments will be considered by IDEM when we make a decision to issue or deny the permit. Comments that are most likely to affect final permit decisions are those based on the rules and laws governing this permitting process (326 IAC 2), air quality issues, and technical issues. IDEM does not have legal authority to regulate zoning, odor, or noise. For such issues, please contact your local officials.

For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**What will happen after IDEM makes a decision?**

Following the end of the public comment period, IDEM will issue a Notice of Decision stating whether the permit has been issued or denied. If the permit is issued, it may be different than the draft permit because of comments that were received during the public comment period. If comments are received during the public notice period, the final decision will include a document that summarizes the comments and IDEM's response to those comments. If you have submitted comments or have asked to be added to the mailing list, you will receive a Notice of the Decision. The notice will provide details on how you may appeal IDEM's decision, if you disagree with that decision. The final decision will also be available on the Internet at the address indicated above, at the local library indicated above, and the IDEM public file room on the 12<sup>th</sup> floor of the Indiana Government Center North, 100 N. Senate Avenue, Indianapolis, Indiana 46204-2251.

If you have any questions, please contact Deena Patton of my staff at the above address.



Tripurari P. Sinha, Ph.D., Section Chief  
Permits Branch  
Office of Air Quality



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## DRAFT

Ms. Catherine Ehlhardt  
Eli Lilly and Company, Lilly Technology Center  
Lilly Technology Center  
Indianapolis, IN 46285

Re: 097-36427-00072  
Significant Source Modification

Dear Ms. Catherine Ehlhardt,

Eli Lilly and Company, Lilly Technology Center was issued Part 70 Operating Permit Renewal No. T097-30149-00072 on June 13, 2011 for a stationary pharmaceutical manufacturing and research and development facility located at 1555 S. Harding Street, Indianapolis, IN 46221. An application to modify the source was received on October 30, 2015. Pursuant to the provisions of 326 IAC 2-7-10.5, a Significant Source Modification is hereby approved as described in the attached Technical Support Document.

Pursuant to 326 IAC 2-7-10.5, the following emission unit is approved for construction at the source:

(g) Emergency Generators and fire pumps including, but not limited to, those below:

\*\*\*

(3) One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

(hh) One (1) Research and Development facility, approved for construction in 2016, identified as K302 High Bay Flex Space. The maximum uncontrolled emission rate of the high bay flex space is 17.6 lb of VOC per hour and 1.39 lb of particulate per hour. The K302 high bay flex space is controlled by a particulate filter and exhausts through the K302 Strobic Stack System.

The following construction conditions are applicable to the proposed modification:

### General Construction Conditions

1. The data and information supplied with the application shall be considered part of this source modification approval. Prior to any proposed change in construction which may affect the potential to emit (PTE) of the proposed project, the change must be approved by the Office of Air Quality (OAQ).
2. This approval to construct does not relieve the Permittee of the responsibility to comply with the provisions of the Indiana Environmental Management Law (IC 13-11 through 13-20; 13-22 through 13-25; and 13-30), the Air Pollution Control Law (IC 13-17) and the rules promulgated thereunder, as well as other applicable local, state, and federal requirements.

### Effective Date of the Permit

3. Pursuant to IC 13-15-5-3, this approval becomes effective upon its issuance.

## DRAFT

- Commenced Construction
4. Pursuant to 326 IAC 2-1.1-9 and 326 IAC 2-7-10.5(j), the Commissioner may revoke this approval if construction is not commenced within eighteen (18) months after receipt of this approval or if construction is suspended for a continuous period of one (1) year or more.
  5. All requirements and conditions of this construction approval shall remain in effect unless modified in a manner consistent with procedures established pursuant to 326 IAC 2.

- Approval to Construct
6. Pursuant to 326 IAC 2-7-10.5(h)(2), this Significant Source Modification authorizes the construction of the new emission unit(s), when the Significant Source Modification has been issued.

Pursuant to 326 IAC 2-7-10.5(m), the emission units constructed under this approval shall not be placed into operation prior to revision of the source's Part 70 Operating Permit to incorporate the required operation conditions.

Pursuant to 326 IAC 2-7-12, operation of the new emission unit(s) is not approved until the Significant Permit Modification has been issued. Operating conditions shall be incorporated into the Part 70 Operating Permit as a Significant Permit Modification in accordance with 326 IAC 2-7-10.5(m)(2) and 326 IAC 2-7-12 (Permit Modification).

For the purposes of this permitting action, the Significant Permit Modification has been combined with the current Part 70 Operating Permit Renewal. Therefore, operation is not approved until the Part 70 Operating Permit Renewal has been issued.

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

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 Deena Patton of my staff, OAQ, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana, 46204-2251, or call at (800) 451-6027, and ask for Deena Patton or extension 4-5400 or dial (317) 234-5400.

Sincerely,

Tripurari P. Sinha, Ph.D., Section Chief  
Permits Branch  
Office of Air Quality

Attachments: Significant Source Modification and Technical Support Document

cc: File - Marion County  
Marion County Health Department  
U.S. EPA, Region V  
Compliance and Enforcement Branch



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## DRAFT Significant Source Modification to a Part 70 Source

### OFFICE OF AIR QUALITY

**Eli Lilly and Company, Lilly Technology Center  
1555 South Harding Street  
Indianapolis, Indiana 46168**

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

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for new and/or existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

|   |                |
|---|----------------|
| Significant Source Modification No.: 097-36427-00072  |                |
| Issued by:<br><br>Tripurari P. Sinha, Ph. D.,<br>Section Chief, Permits Branch<br>Office of Air Quality | Issuance Date: |

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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 through A.3 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 2-7-4(c)][326 IAC 2-7-5(14)][326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary pharmaceutical manufacturing and research and development facility.

|                              |  |
|------------------------------|--|
| Source Address:              | 1555 South Harding Street, Indianapolis, Indiana 46168   |
| General Source Phone Number: | (317) 276-2000 (source number)<br>(317) 277-6282 (Manager of Environmental)  |
| SIC Code:                    | 2833, 2834   |
| County Location:             | Marion, Center Township  |
| Source Location Status:      | Nonattainment for SO <sub>2</sub> standard<br>Attainment for all other criteria pollutants   |
| Source Status:               | Part 70 Operating Permit Program<br>Major Source, under PSD Rules<br>Minor Source under Emission Offset<br>Major Source, Section 112 of the Clean Air Act<br>1 of 28 Source Categories |

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
[326 IAC 2-7-5(14)]

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

- (a) A chemical development pilot plant facility and laboratories (identified as Building 110) used to develop new chemical processes and to produce new pharmaceutical compounds for subsequent use in toxicology studies and clinical trial research, with Modules A, B, C, D, E, 30 gallon A, 30 gallon B, Solids Containment and C-wing, and with process condensers.
- (b) Manufacture of bulk pharmaceutical products (Building 358) by:
  - (1) protein isolation with a carbon adsorber for VOC and HAP control with laboratory support;
  - (2) chemical synthesis,units subject to BACT [326 IAC 8-1-6].
- (c) Manufacture of bulk pharmaceutical products (Building 358) by:
  - (1) protein isolation with laboratory support;
  - (2) chemical synthesis, or non-synthesized chemical processes;units not subject to BACT [326 IAC 8-1-6].

- (d) The BHI area consists of five buildings (building 132, 133, 134, 142 and 138) where manufacturing of bulk pharmaceutical products through chemical synthesis takes place using condensers and a scrubber as VOC control.
- (e) Building 130 Complex (buildings 130, 135 and 136) consisting of laboratories and manufacturing of bulk pharmaceutical products through chemical synthesis, including the following:
  - One (1) urea prills unloading operation, constructed in 2001, approved in 2015 for modification to increase the maximum truck unloading rate, with a maximum capacity of 25 tons per hour, transferring material to tank TK-265, controlled by an integral scrubber.
- (f) Building 333 area consisting of laboratories and fermentation of bulk pharmaceutical products.
- (g) Emergency Generators and fire pumps including, but not limited to, those below:

| Bldg. | Name & if Fire Pump | Manufacturer/ Model              | Nominal Capacity | Units | Fuel        | CI or SI | Date/Year Installed or Mfd. | NSPS New; Meet 60.4204 | RICE MACT |
|-------|---------------------|----------------------------------|------------------|-------|-------------|----------|-----------------------------|------------------------|-----------|
| B 134 | B 134               | Cummins 100DGDBL36 421A          | 166              | HP    | No.2 oil    | CI       | 1991                        | No; N/A                | Existing  |
| B152  | B 152               | Cummins 800DFJB                  | 1200             | HP    | No.2 oil    | CI       | Before 2002                 | No; N/A                | Existing  |
| B 185 | B185 Fire Pump #1   | Caterpillar 3406B DI             | 375              | HP    | No.2 oil    | CI       | 1990                        | No; N/A                | Existing  |
| B 185 | B185 Fire Pump #2   | Caterpillar 3406B DI             | 375              | HP    | No.2 oil    | CI       | 1990                        | No; N/A                | Existing  |
| B 314 | B314                | Cummins 200DFAA                  | 380              | HP    | No.2 oil    | CI       | 1997                        | No; N/A                | Existing  |
| B 314 | B314 Unit 2         | Cummins 200DSGAE                 | 324              | HP    | No.2 oil    | CI       | 2013                        | Yes; Yes               | New       |
| B 360 | B 360               | Cummins 60CSFAD                  | 145              | HP    | No.2 oil    | CI       | 2011                        | Yes; Yes               | New       |
| B 180 | B 180               | Cummins DGDB-4476255             | 155              | HP    | No.2 oil    | CI       | 2007 (manufactured 2000)    | No; N/A                | Existing  |
| B 359 | B 359 Fire House    | GM Gaseous Engine 3 L 4 cylinder | 20               | KW    | Natural Gas | SI       | 2006                        | No; N/A                | Existing  |

|       |                     |                      |               |            |             |    |      |             |          |
|-------|---------------------|----------------------|---------------|------------|-------------|----|------|-------------|----------|
| B 359 | B 359<br>Fire House | TBD                  | 0.25<br>(383) | MW<br>(HP) | Natural Gas | SI | 2013 | Yes<br>Yes  | New      |
| B141  | B141 A              | Cummins DFHD         | 1350          | HP         | No. 2 oil   | CI | 1999 | No;<br>N/A  | Existing |
| B141  | B141 B              | Cummins DFJD         | 1350          | HP         | No. 2 oil   | CI | 2001 | No;<br>N/A  | Existing |
| B141  | B141 C              | Cummins DQKC         | 2700          | HP         | No. 2 oil   | CI | 2006 | No;<br>N/A  | New      |
| B141  | B141 D              | Cummins SAK60-G6 NR2 | 2922          | HP         | No. 2 oil   | CI | 2010 | Yes;<br>Yes | New      |

- (1) One (1) compression ignition diesel emergency generator, approved in 2015 for construction, identified as CTMMS Emergency Generator, with a maximum output rating of ≤1800 hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

- (2) One (1) compression ignition diesel emergency fire pump, approved in 2015 for construction, identified as LTC-N Fire Pump 1, with a maximum output rating of ≤150 hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

- (3) One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]; and
- (b) Activities with emissions equal to or less than insignificant thresholds: Cold cleaner degreasers that use more than 145 gallons per year, but have emissions less than 15 pounds per day of VOC. [326 IAC 8-3-2].
- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour. [326 IAC 6-2-4]

- (1) Eight (8) natural gas-fired rooftop HVAC units, approved in 2015 for construction, identified as Rooftop Units 1-8, each with a maximum heat input capacity of 0.355 MMBtu/hr, no control.
- (2) One (1) natural gas-fired rooftop HVAC unit, approved in 2015 for construction, identified as Rooftop Unit 9, with a maximum heat input capacity of 0.08 MMBtu/hr, no control.
- (3) Two (2) natural gas-fired rooftop HVAC units, approved in 2015 for construction, identified as Rooftop Unit 10 and Rooftop Unit 11, each with a maximum heat input capacity of 0.064 MMBtu/hr, no control.
- (4) One (1) natural gas-fired rooftop HVAC unit, approved in 2015 for construction, identified as Rooftop Unit 12, with a maximum heat input capacity of 0.12 MMBtu/hr, no control.

A.4 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

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This stationary source also includes the following insignificant activities as defined in 326 IAC 2-7-1(21):

- (a) Equipment powered by internal combustion engines of capacity equal to or less than 500,000 Btu/hour, except where total capacity of equipment operated by one stationary source exceeds 2,000,000 Btu/hour.
- (b) A petroleum fuel, other than gasoline, dispensing facility, having a storage tank capacity less than or equal to ten thousand five hundred (10,500) gallons and dispensing three thousand five (3500) hundred gallons per day or less.
- (c) The following VOC and HAP storage containers:
  - (1) Storage tanks with capacity less than or equal to 1,000 gallons and annual through puts less than 12,000 gallons.
  - (2) Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.
- (d) Equipment used exclusively for filling drums, pails, or other packaging containers with lubricating oils.
- (e) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.
- (f) Machining where an aqueous cutting coolant continuously floods the machining interface.
- (g) Cleaners and solvents characterized as follows:
  - (1) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100°F) or;
  - (2) having a vapor pressure equal to or less than 0.7 kPa; 5mm Hg; or 0.1 psi measured at 20 degrees C (68°F);  
the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

- (h) Equipment related manufacturing activities not resulting in the emissions of HAPs, including brazing equipment, cutting torches, soldering equipment, and welding equipment.
- (i) Structural steel fabrication activities including cutting two hundred thousand (200,00) linear feet or less of one (1) inch plate or equivalent, and using eighty (80) tons or less of welding consumables.
- (j) Closed loop heating and cooling systems.
- (k) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to 1% by volume.
- (l) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs.
- (m) Use of water-based adhesives that are less than or equal to five percent (5%) by volume of VOCs excluding HAPs.
- (n) Noncontact cooling tower systems with the following: forced and induced draft cooling tower system not regulated under a NESHAP.
- (o) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.
- (p) Heat exchanger cleaning and repair.
- (q) Process vessel degassing and cleaning to prepare for internal repairs.
- (r) Stockpiled soils from soil remediation activities that are covered and waiting transport for disposal.
- (s) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]
- (t) Asbestos abatement projects regulated by 326 IAC 14-10.
- (u) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process.
- (v) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment.
- (w) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.
- (x) On-site fire and emergency response training approved by the department.

- (y) Emergency generators as follows: Diesel generators not exceeding 1600 horsepower and Natural gas turbines or reciprocating engines not exceeding sixteen thousand (16000) horsepower.
- (z) Stationary fire pumps.
- (aa) Purge double block and bleed valves.
- (bb) Filter or coalescer media changeout.
- (cc) Laboratories as defined in 326 IAC 2-7-1(21)(D).
- (dd) Research and development activities as defined in 326 IAC 2-7-1(21)(E).
- (ee) Any unit emitting greater than 1 pound per day but less than 5 pounds per day or 1 ton per year of a single HAP:
  - (1) Loading and unloading of raw materials and wastes into tank trucks and/or rail cars. There are at least two of these installations.
  - (2) Equipment cleaning.
- (ff) Any unit emitting greater than 1 pound per day but less than 12.5 pounds per day or 2.5 tons per year of any combination of HAPs.
  - (1) Optimization and testing of developmental fermentation processes in fermenters less than or equal to 6,000 liter nominal volume. This description applies to a minimum of ten fermenters.
  - (2) Manufacturing in fermenters of less than or equal to 47,000 liter nominal volume. This applies to at least four fermenters.
  - (3) Filtration of fermentation broths in lots less than 2,000 liters nominal volume. This description applies to a minimum of three installations.
  - (4) Processing in development area portable tanks, less than 500 liters nominal volume. This description applies to a minimum of two tanks.
  - (5) Hydrogenation equipment less than 50 gallons nominal volume located in developmental area. This description applies to a minimum of two installations.
- (gg) Activities with emissions equal to or less than insignificant thresholds:
  - (1) Optimization, testing, and manufacturing with fermentors. Emissions less than 5 pounds per hour and 25 pounds per day particulate matter and 3 pounds per hour and 15 pounds per day of VOC.
  - (2) Testing of cartridge filters used as part of fermentation and sterile area operations. Emissions are less than 3 pounds per hour and 15 pounds per day of VOC.
  - (3) Equipment cleaning. Emissions are less than 3 pounds per hour and 15 pounds per day of VOC.
  - (4) Pilot plant equipment used in optimization of the purification of potential manufacturing fermentation processes. Emissions are less than 3 pounds per hour and 15 pounds per day of VOC.
  - (5) Printing operations for product identification. Emissions are less than 3 pounds per hour and 15 pounds per day of VOC.
  - (6) Fluid bed dryers in dry products manufacturing. Emissions are less than 5 pounds per hour and 25 pounds per day particulate matter.
  - (7) Process equipment or storage tanks which contain a VOC with a vapor pressure less than 0.1 mm Hg.
  - (8) Storage tanks for emergency generators, < 75 m<sup>3</sup> in volume, which contain No. 2 diesel fuel.

- (A) One (1) diesel storage tank, approved in 2015 for construction, identified as CTMMS Diesel Storage Tank 1, with a maximum capacity of  $\leq 2,000$  gallons, no control.
- (B) One (1) diesel storage tank, approved in 2015 for construction, identified as LTC-N Fire Pump Diesel Storage Tank 1, with a maximum capacity of  $\leq 2,000$  gallons, no control.
- (9) Injector pen assembly using polymerizing glues with emissions less than 1 lb/day of HAP and less than 3 lbs/hour or 15 lbs/day of VOC.
- (hh) One (1) Research and Development facility, approved for construction in 2016, identified as K302 High Bay Flex Space. The maximum uncontrolled emission rate of the high bay flex space is 17.6 lb of VOC per hour and 1.39 lb of particulate per hour. The K302 high bay flex space is controlled by a particulate filter and exhausts through the K302 Strobic Stack System.

A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

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This stationary source is required to have a Part 70 permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

**SECTION B GENERAL CONDITIONS**

**B.1 Definitions [326 IAC 2-7-1]**

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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 2-7) shall prevail.

**B.2 Permit Term [326 IAC 2-7-5(2)][326 IAC 2-1.1-9.5][326 IAC 2-7-4(a)(1)(D)][IC 13-15-3-6(a)]**

- (a) This permit, T097-30149-00072, 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 or of permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).
- (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, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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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 [326 IAC 2-7-7] [IC 13-17-12]**

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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 [326 IAC 2-7-5(5)]**

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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 [326 IAC 2-7-5(6)(D)]**

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

**B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]**

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- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
  - (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of

requested records directly to U. S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)][326 IAC 2-7-6(1)][326 IAC 2-7-5(3)(C)]

- (a) A certification required by this permit meets the requirements of 326 IAC 2-7-6(1) if:
  - (1) it contains a certification by a "responsible official" as defined by 326 IAC 2-7-1(35), and
  - (2) the certification states that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) The Permittee may use the attached Certification Form, or its equivalent with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) A "responsible official" is defined at 326 IAC 2-7-1(35).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than April 15 of each year to:

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

and

United States Environmental Protection Agency, Region V  
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590
- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
  - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;

- (2) The compliance status;
- (3) Whether compliance was continuous or intermittent;
- (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
- (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(12)][326 IAC 1-6-3]

- (a) A Preventive Maintenance Plan meets the requirements of 326 IAC 1-6-3 if it includes, at a minimum:
- (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.

The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

- (b) If required by specific condition(s) in Section D of this permit where no PMP was previously required, the Permittee shall prepare and maintain Preventive Maintenance Plans (PMPs) no later than ninety (90) days after issuance of this permit or ninety (90) days after initial start-up, whichever is later, including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
  - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
  - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.

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

Indiana Department of Environmental Management

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

The PMP extension notification does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

The Permittee shall implement the PMPs, including any required record keeping, as necessary to ensure that failure to implement a PMP does not cause or contribute to an exceedance of any limitation on emissions or potential to emit.

- (c) 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. The PMPs and their submittal do not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (d) 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 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
  - (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
  - (2) The permitted facility was at the time being properly operated;
  - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
  - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ, within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality,  
Compliance and Enforcement Branch), or  
Telephone Number: 317-233-0178 (ask for Office of Air Quality,

Compliance and Enforcement Branch)  
Facsimile Number: 317-233-6865

- (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

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

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(8) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.

- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.

B.12 Permit Shield [326 IAC 2-7-15][326 IAC 2-7-20][326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced 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 Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) In addition to the nonapplicability determinations set forth in Sections D of this permit, the IDEM, OAQ have made the following determinations regarding this source:
- (1) **40 CFR 63, Subpart I and 326 IAC 20-12 -- National Emission Standards for Organic Hazardous Air Pollutants for Certain Processes Subject to the Negotiated Regulation for Equipment Leaks** This source is not subject to 40 CFR 63, Subpart I and 326 IAC 20-12, which applies to pharmaceutical production processes using carbon tetrachloride or methylene chloride. The source does not have any pharmaceutical production processes using carbon tetrachloride or methylene chloride.
  - (2) **40 CFR 63, Subpart T-- National Emission Standards for Halogenated Solvent Cleaning** This source is not subject to 40 CFR 63, Subpart T (National Emission Standards for Halogenated Solvent Cleaning) because the source does not use a solvent containing methylene chloride, perchloroethylene, trichloroethylene, 1, 1, 1-trichloroethylene, carbon tetrachloride, or chloroform or any combination of these halogenated HAP solvents, in a total concentration greater than five percent (5%) by weight as a cleaning and/or drying agent in an individual batch vapor, in-line vapor, in line cold and batch cold solvent cleaning machine.
  - (3) **40 CFR 60, Subpart K – Storage Vessels for Petroleum Liquids:** This source is not subject to 40 CFR Part 60, Subpart K and 326 IAC 12 because none of the storage tanks at the source constructed between June 11, 1973 and May 19, 1978 store petroleum liquids, as defined in 40 CFR 60.111.
  - (4) **40 CFR 60, Subpart Ka – Storage Vessels for Petroleum Liquids:** This source is not subject to 40 CFR Part 60, Subpart K and 326 IAC 12 because none of the storage tanks at the source constructed between May 19, 1978 and

July 23, 1984 store petroleum liquids, as defined in 40 CFR 60.111.

- (5) **40 CFR 60, Subpart Kb – Storage Vessels for Volatile Organic Liquids:** This source is not subject to 40 CFR Part 60, Subpart Kb and 326 IAC 12 because none of the storage tanks at the source constructed after July 23, 1984 with capacity greater than or equal to 75 m<sup>3</sup> but less than 151 m<sup>3</sup> stores a volatile organic liquid with a maximum true vapor pressure greater than or equal to 15.0 kPa. No storage tank at the source of equal to or greater than 151 m<sup>3</sup> capacity constructed after July 23, 1984 stores a volatile organic liquid with a maximum true vapor pressure greater than or equal to 3.5 kPa.
- (6) **40 CFR 60, Subparts VV, VVa, III, NNN and RRR – Synthetic organic chemical manufacturing:** This source is not subject to 40 CFR Part 60, Subparts VV, III, NNN, and RRR and 326 IAC 12 because the source is not engaged in the manufacture of synthetic organic chemicals as defined by those standards. The source does not produce, as an intermediate, final product, co-product, or byproduct, a chemical listed in 40 CFR 60.489 [Subpart VV and Subpart VVa], 40 CFR 60.617 [Subpart III], 40 CFR 60.667 [Subpart NNN], or 40 CFR 60.707 [Subpart RRR]
- (7) **40 CFR 60, Appendix B, Performance Specification 16 - Predictive Emission Monitoring System:** This rule does not apply because the source does not operate any predictive emission monitoring systems (PEMS).
- (8) **40 CFR 63, Sections 63.50 through 63.56 – Section 112(j):** This source is not subject to 40 CFR Part 63, Sections 63.50 through 63.56 because there are no affected sources within a source category or subcategory for which USEPA has failed to promulgate emission standards by the section 112(j) deadlines.
- (9) **40 CFR 63, Subparts F and G – Synthetic Organic Chemical Manufacturing:** This source is not subject to 40 CFR Part 63, Subparts F and G (326 IAC 20-11) because the source does not manufacture compounds listed in table 1 of Subpart F or use as a reactant compounds listed in table 2 of Subpart F. [40 CFR 63.100(b)]
- (10) **40 CFR 63, Subpart O – Ethylene Oxide Sterilizers:** This source is not subject to 40 CFR Part 63, Subpart O and 326 IAC 20-5 because the source does not utilize ethylene oxide in sterilization operations. [40 CFR 63.360]
- (11) **40 CFR 63, Subpart Q – Industrial Process Cooling Towers:** This source is not subject to 40 CFR Part 63, Subpart Q and 326 IAC 20-4 because the source does not utilize chromium based water treatment compounds in its cooling towers. [40 CFR 63.400]
- (12) **40 CFR 63, Subpart YY – Generic MACT categories:** This source is not subject to 40 CFR Part 63, Subpart YY and 326 IAC 20-44 because the source is not one of the source categories described in 40 CFR 63.1103. [40 CFR 63.1100]
- (13) **40 CFR 63, Subpart MMM – Pesticide Active Ingredient Production:** This source is not subject to 40 CFR Part 63, Subpart MMM and 326 IAC 20-45 because the source does not contain any pesticide active ingredient process units or associated equipment as described in 40 CFR 63.1360. [40 CFR

- 63.1360]
- (14) **40 CFR 63, Subpart EEEE – Organic Liquid Distribution:** All potentially affected areas of the site are research facilities, are subject to Pharma MACT already, or are used for fuel storage and therefore 40 CFR Part 63, Subpart EEEE and 326 IAC 20-83 does not apply.
  - (15) **40 CFR 63, Subpart FFFF – Miscellaneous Organic Chemical Production and Processes:** This source is not subject to 40 CFR Part 63, Subpart FFFF or 326 IAC 200-44 because all the affected facilities at the source that would otherwise be subject to Subpart FFFF are subject to 40 CFR 63, Subpart GGG.
  - (16) **40 CFR 63, Subpart PPPP—Surface Coating of Plastic Parts and Products:** This source is not subject to 40 CFR Part 63, Subpart PPPP and 326 IAC 20-81 because the plastic parts coating operations do not use 378 liters (100 gallons) per year of coatings that contain hazardous air pollutants.
  - (17) **326 IAC 6-5 – Fugitive Particulate Matter Emission Limitations:** This source does not have potential fugitive dust emissions greater than 25 tons per year, and is therefore, not subject to the requirements of this rule.
  - (18) **326 IAC 8-4 – Petroleum Sources:** This source does not operate any facilities subject to the requirements of 326 IAC 8-4. 326 IAC 8-4-6 is not applicable to this source because the source does not accept deliveries of gasoline by transports, as defined by 326 IAC 1-2-84.
  - (19) **326 IAC 8-6 – Organic Solvent Emissions Limitations:** The provisions of 326 IAC 8-6 are not applicable to this source because the source is subject to other rules in 326 IAC 8.
  - (20) **326 IAC 8-15: Standards for Consumer and Commercial Products:** All consumer and commercial products manufactured at the source are either exempt product types (prescription drug products) or not of a type listed in the regulation. Therefore, the source is not subject to the requirements of this rule.
  - (21) **326 IAC 10 – Nitrogen Oxide Rules:** This source does not contain any emission units identified in 326 IAC 10-4. Therefore, the source is not subject to the NOx emission control requirements of that rule.
  - (22) **326 IAC 11 – Emission Limitations for Specific Types of Operations:** This source does not contain any emission units described in 326 IAC 11. Therefore, the source is not subject to the requirements of those rules.
  - (23) **326 IAC 15 – Lead Rules:** This source does not contain any emission units described in 326 IAC 15. Therefore, the source is not subject to the requirements of those rules.
  - (24) **326 IAC 21 – Acid Deposition:** This source does not contain any emission units described in 326 IAC 21. Therefore, the source is not subject to the requirements of those rules.
- (c) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ, shall immediately take steps to reopen and revise this permit and issue a

compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.

- (d) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (e) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
  - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
  - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
  - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
  - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (f) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (g) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ, has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (h) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ, has issued the modification. [326 IAC 2-7-12(b)(8)]

**B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5][326 IAC 2-7-10.5]**

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- (a) All terms and conditions of permits established prior to T097-30149-00072 and issued pursuant to permitting programs approved into the state implementation plan have been either:
  - (1) incorporated as originally stated,
  - (2) revised under 326 IAC 2-7-10.5, or
  - (3) deleted under 326 IAC 2-7-10.5.
- (b) Provided that all terms and conditions are accurately reflected in this permit, all previous registrations and permits are superseded by this Part 70 operating permit, except for permits issued pursuant to Title IV of the Clean Air Act and 326 IAC 21 (Acid Deposition Control).

**B.14 Termination of Right to Operate [326 IAC 2-7-10][326 IAC 2-7-4(a)]**

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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 nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

**B.15 Permit Modification, Reopening, Revocation and Reissuance, or Termination  
[326 IAC 2-7-5(6)(C)][326 IAC 2-7-8(a)][326 IAC 2-7-9]**

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- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:
- (1) That this permit contains a material mistake.
  - (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
  - (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]
- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]
- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

**B.16 Permit Renewal [326 IAC 2-7-3][326 IAC 2-7-4][326 IAC 2-7-8(e)]**

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- (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 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management

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

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months 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 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified, pursuant to 326 IAC 2-7-4(a)(2)(D), in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.17 Permit Amendment or Modification [326 IAC 2-7-11][326 IAC 2-7-12] [40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

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

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.18 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)]  
[326 IAC 2-7-12(b)(2)]

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- (a) No Part 70 permit revision or notice shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.19 Operational Flexibility [326 IAC 2-7-20][326 IAC 2-7-10.5]

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- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b) or (c) without a prior permit revision, if each of the following conditions is met:
  - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
  - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
  - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
  - (4) The Permittee notifies the:  
  
Indiana Department of Environmental Management  
Permit Administration and Support Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
  
and  
  
United States Environmental Protection Agency, Region V  
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)  
77 West Jackson Boulevard  
Chicago, Illinois 60604-3590  
  
in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
  - (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to

326 IAC 2-7-20(b) or (c). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1) and (c)(1).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) Emission Trades [326 IAC 2-7-20(c)]  
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]  
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.
- (f) This condition does not apply to emission trades of SO<sub>2</sub> or NO<sub>x</sub> under 326 IAC 21 or 326 IAC 10-4.

B.20 Source Modification Requirement [326 IAC 2-7-10.5]

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

B.21 Inspection and Entry [326 IAC 2-7-6][IC 13-14-2-2][IC 13-30-3-1][IC 13-17-3-2]

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 Part 70 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 any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor 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.22 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

Any such application does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.23 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)][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. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) 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.24 Credible Evidence [326 IAC 2-7-5(3)][326 IAC 2-7-6][62 FR 8314] [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 2-7-5(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 Opacity [326 IAC 5-1]**

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

- (a) Opacity shall not exceed an average of thirty percent (30%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

**C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]**

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

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

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

**C.5 Fugitive Dust Emissions [326 IAC 6-4]**

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 326 IAC 6-4-2(4) is not federally enforceable.

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

The Permittee shall comply with the applicable requirements of 326 IAC 14-10, 326 IAC 18, and 40 CFR 61.140. The requirement in 326 IAC 14-10(a) that the owner or operator shall use an Indiana Accredited Asbestos Inspector and all the requirements in 326 IAC 18 related to licensing requirements for asbestos inspectors are not federally enforceable.

### **Testing Requirements [326 IAC 2-7-6(1)]**

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

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

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

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

- (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 a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (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.8 Compliance Requirements [326 IAC 2-1.1-11]**

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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 2-7-5(1)][326 IAC 2-7-6(1)]**

#### **C.9 Compliance Monitoring [326 IAC 2-7-5(3)][326 IAC 2-7-6(1)]**

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- (a) For new units:

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units shall be implemented on and after the date of initial start-up.

- (b) For existing units:

Unless otherwise specified in this permit, for all monitoring requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance to begin such monitoring. If due to circumstances beyond the Permittee's control, any monitoring equipment required by this permit cannot be installed and operated no later than ninety (90) days after permit issuance, the Permittee may

extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
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in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

**C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]**

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Any monitoring or testing required by Section D or Section E 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. Nothing in this permit nor in 326 IAC 3-5 supercedes the applicable monitoring provisions in 40 CFR Part 60 or 40 CFR Part 63.

**C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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- (a) When specifically 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 unless otherwise specified in a specific in a D section condition. The analog instrument shall be capable of measuring values outside of the normal range.
- (b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters. The analog instrument shall be capable of measuring values outside of the normal range.

**Corrective Actions and Response Steps [326 IAC 2-7-5][326 IAC 2-7-6]**

**C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]**

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Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee shall maintain the most recently submitted written emergency reduction plans (ERPs) consistent with safe operating procedures.
- (b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

C.13 Risk Management Plan [326 IAC 2-7-5(11)] [40 CFR 68]

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If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.14 Response to Abnormal or Out-of-Range Compliance Monitoring Measurements [326 IAC 2-7-5] [326 IAC 2-7-6]

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- (a) Upon detecting a measurement required by a compliance monitoring condition of this permit that is outside the normal or usual range of values for the monitoring parameter, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of abnormal or out-of-range monitoring values (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:
  - (1) initial inspection and evaluation;
  - (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
  - (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- (c) A determination of whether the Permittee has used acceptable procedures in response to a measurement indicating abnormal or out-of-range monitoring values will be based on information available, which may include, but is not limited to, the following:
  - (1) monitoring results;
  - (2) review of operation and maintenance procedures and records; and/or
  - (3) inspection of the control device, associated capture system, and the process.
- (d) Failure to take reasonable response steps shall be considered a deviation from the permit.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5][326 IAC 2-7-6]

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- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall submit a description of its response actions to IDEM, OAQ, no later than seventy-five (75) days after the date of the test.
- (b) A retest to demonstrate compliance shall be performed no later than one hundred eighty (180) days after the date of the test. Should the Permittee demonstrate to IDEM, OAQ

that retesting in one hundred eighty (180) days is not practicable, IDEM, OAQ may extend the retesting deadline

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

The response action documents submitted pursuant to this condition do require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

### **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]  
Pursuant to 326 IAC 2-6-3(b)(2), starting in 2005 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

- (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
- (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1(32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management  
Technical Support and Modeling Section, Office of Air Quality  
100 North Senate Avenue  
MC 61-50 IGCN 1003  
Indianapolis, Indiana 46204-2251

The emission statement does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).

C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [326 IAC 2-2] [326 IAC 2-3]

(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. Support information includes the following, where applicable:

- (AA) All calibration and maintenance records.
- (BB) All original strip chart recordings for continuous monitoring instrumentation.
- (CC) Copies of all reports required by the Part 70 permit.

Records of required monitoring information include the following, where applicable:

- (AA) The date, place, as defined in this permit, and time of sampling or measurements.
- (BB) The dates analyses were performed.
- (CC) The company or entity that performed the analyses.
- (DD) The analytical techniques or methods used.
- (EE) The results of such analyses.
- (FF) The operating conditions as existing at the time of sampling or measurement.

These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, for all record keeping requirements not already legally required, the Permittee shall be allowed up to ninety (90) days from the date of permit issuance or the date of initial start-up, whichever is later, to begin such record keeping.
- (c) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A), 326 IAC 2-2-8 (b)(6)(B), 326 IAC 2-3-2 (l)(6)(A), and/or 326 IAC 2-3-2 (l)(6)(B)) that a "project" (as defined in 326 IAC 2-2-1(o) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with the following:
  - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(o) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, document and maintain the following records:
    - (A) A description of the project.
    - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
    - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
      - (i) Baseline actual emissions;
      - (ii) Projected actual emissions;

- (iii) Amount of emissions excluded under section 326 IAC 2-2-1(pp)(2)(A)(iii) and/or 326 IAC 2-3-1 (kk)(2)(A)(iii); and
    - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
  - (d) If there is a reasonable possibility (as defined in 326 IAC 2-2-8 (b)(6)(A) and/or 326 IAC 2-3-2 (l)(6)(A)) that a “project” (as defined in 326 IAC 2-2-1(oo) and/or 326 IAC 2-3-1(jj)) at an existing emissions unit, other than projects at a source with a Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1(dd) and/or 326 IAC 2-3-1(y)) may result in significant emissions increase and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1(pp) and/or 326 IAC 2-3-1(kk)), the Permittee shall comply with following:
    - (1) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
    - (2) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2][326 IAC 2-3]

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- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of this paragraph. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported except that a deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. This report shall be submitted not later than thirty (30) days after the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35). A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

- (b) The address for report submittal is:

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

- (c) 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.
- (d) Unless otherwise specified in this permit, all reports required in Section D and Section E of this permit shall be submitted within thirty (30) days of the end of the reporting period. Unless otherwise specified in this permit, all reports shall include a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official" as defined by 326 IAC 2-7-1(35).
- (e) 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.
- (f) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - 17 General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (oo) and/or 326 IAC 2-3-1 (jj)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
  - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- 17 General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C-17 General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (ww) and/or 326 IAC 2-3-1 (pp), for that regulated NSR pollutant, and
  - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C - 17 General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report required under (f) for a project at an existing emissions unit shall be submitted no later than sixty (60) days after the end of the year and contain the following:
  - (1) The name, address, and telephone number of the major stationary source.
  - (2) The annual emissions calculated in accordance with (d)(1) and (2) in Section C - 17 General Record Keeping Requirements.
  - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3) and/or 326 IAC 2-3-2(c)(3).
  - (4) Any other information that the Permittee wishes to include in this report such as an explanation as to why the emissions differ from the preconstruction projection.

Reports required in this part shall be submitted to:

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

- (h) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C-17 General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

### **Stratospheric Ozone Protection**

#### **C.19 Compliance with 40 CFR 82 and 326 IAC 22-1**

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Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with applicable standards for recycling and emissions reduction.

## SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (a) A chemical development pilot plant facility and laboratories (identified as Building 110) used to develop new chemical processes and to produce new pharmaceutical compounds for subsequent use in toxicology studies and clinical trial research, with Modules A, B, C, D, E, 30 gallon A, 30 gallon B, Solids Containment and C-wing, and with process condensers.

(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 2-7-5(1)]

#### D.1.1 Synthesized Pharmaceutical Manufacturing Operations 326 IAC 8-1-5] [ 326 IAC 8-5-3]

Pursuant to 326 IAC 8-1-5, CP097-3341 (the RACT plan issued on July 27, 1994), A097-5322, A097-12128, 326 IAC 8-5-3, and 40 CFR 52.770(c)(157), the Permittee shall comply with the followings:

- (a) The volatile organic compound (VOC) emissions from the pilot plant in Building 110 shall be limited to less than 10 tons per twelve (12) consecutive month period rolled on a monthly basis.
- (b) The primary reactor condensers shall operate during reactor venting, material transfer, distillation, and storage of filtrates in reactors, which are transferred from the filters. The primary reactor condensers working fluid inlet temperature shall be -10 degrees C or colder for mixtures that will not freeze at -10 degrees C (includes most non-aqueous streams).
- (c) The emission units which have the potential to emit VOC greater than 15 pounds per day shall comply with the requirements of 326 IAC 8-5-3(b)(3) through (6).
- (1) Pursuant to 326 IAC 8-5-3(b)(3), the Permittee shall provide a vapor balance system or equivalent control that is at least 90% effective in reducing emissions from truck or railcar deliveries to storage tanks, which have the potential to emit VOC greater than 15 pounds per day and which have capacities greater than seven thousand five hundred (7,500) liters (two thousand (2,000) gallons) that store VOC with vapor pressures greater than twenty-eight (28) kiloPascals (four and one-tenth (4.1) pounds per square inch) at 20 degrees C.
- (2) Pursuant to 326 IAC 8-5-3(b)(3), the Permittee shall install a pressure / vacuum conservation vents set at plus or minus two-tenths ( ~~±0.2~~ ) kiloPascals on all storage tanks which have the potential to emit VOC greater than 15 pounds per day and that store VOC with vapor pressures greater than ten (10) kiloPascals (one and five-tenths (1.5) pounds per square inch) at 20 degrees C, unless a more effective control system is used.
- (3) Pursuant to 326 IAC 8-5-3(b)(4), the Permittee shall enclose all centrifuges, rotary vacuum filters, and other filters which have the potential to emit VOC greater than 15 pounds per day and which have an exposed liquid surface, where the liquid

contains VOC and exerts a total VOC vapor pressure of three and five-tenths (3.5) kiloPascals (five-tenths (0.5) pounds per square inch) or more at 20 degrees C.

- (4) Pursuant to 326 IAC 8-5-3(b)(5), the Permittee shall install covers on all in process tanks which have the potential to emit VOC greater than 15 pounds per day and which contain a volatile organic compound at any time. These covers must remain closed, unless production, sampling, maintenance, or inspection procedures require operator access.
- (5) Pursuant to 326 IAC 8-5-3(b)(6), the Permittee shall, for the emission units which have the potential to emit VOC greater than 15 pounds per day, repair all leaks from which a liquid, containing VOC, can be observed running or dripping. The repair shall be completed the first time the equipment is off line for a period of time long enough to complete the repair.

#### D.1.2 Advance Approval of Modifications [326 IAC 2-7-5(15)]

The Permittee may modify any existing emission unit, replace any existing emission unit, or add a new process vessel, filter, centrifuge, dryer or any other pharmaceutical processing equipment to the operations described in this section without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B or C of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.
- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification, replacement or construction of the emission unit does not meet the definition of a major modification as defined in 326 IAC 2-2 or 326 IAC 2-3.

### **Compliance Determination**

#### D.1.3 Volatile Organic Compounds (VOC)

To determine compliance with D.1.1 (a), emissions shall be calculated by mass balance, by appropriate unit operation emissions estimation procedures (e.g., Appendix B of "Control of Volatile Organic emissions from Manufacture of Synthesized Pharmaceutical Products," EPA-450/2-78-029), or by other generally accepted methods (e.g., AP-42 emission factors), as approved by the Commissioner.

### **Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

#### D.1.4 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]

The Permittee shall measure the primary reactor condenser working fluid temperature at least once per day when an emitting unit subject to D.1.1 (b) is in operation with VOC

#### D.1.5 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) The instrument employed for the measurement of temperature shall have a scale such that the expected normal reading shall be no less than twenty percent (20%) of full scale and be accurate within plus or minus two percent ( $\pm 2\%$ ) of full scale reading.
- (b) The Permittee may request that 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.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.1.5 Record Keeping Requirements**

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- (a) To document the compliance status with Condition D.1.1, the Permittee shall maintain a log of information necessary to document compliance.
- (b) The Permittee shall maintain a record of the temperature measurements taken pursuant to Condition D.1.4.

**D.1.6 Reporting Requirements**

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- (a) The Permittee shall submit an annual summary of volatile organic compounds (VOC) emissions to document the compliance status with Condition D.1.1 of this permit, using the reporting form located at the end of this permit, or its equivalent. This annual report submitted by the Permittee does require a certification by a "responsible official" as defined by 326 IAC 2-7-1(35). Section C - General Reporting Requirements contains the Permittee's obligations with regard to the reporting required by this condition.
- (b) The report required in (a) of this condition shall be submitted within sixty (60) days after the end of the reporting period and shall be submitted to the following address:

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

**SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

(b) Manufacture of bulk pharmaceutical products (Building 358) by:

(1) protein isolation with a carbon adsorber for VOC and HAP control with laboratory support;

(2) chemical synthesis,

units subject to BACT [326 IAC 8-1-6].

(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 2-7-5(1)]**

**D.2.1 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]**

Pursuant to 326 IAC 8-1-6 and CP-960073-01 issued on September 25, 1996, the Permittee shall employ Best Available Control Technology (BACT):

- (a) BACT for all point sources of VOC in Building 358 (shown in the table below) shall be a reduction of emissions by 95%, or to a level of 0.20 pounds per hour, whichever is less stringent, by applying air pollution control equipment.
- (b) BACT for fugitive emissions shall be a Leak Detection and Repair program as described in Condition D.2.2.
- (c) This requirement applies to the following equipment:

| B358 equipment subject to BACT (CP 960073-01) |               |                  |                       |                  |         |
|---|---------------|------------------|-----------------------|------------------|---------|
| Bldg.   | Stack/Vent ID | Emission Unit ID | Equipment Description | Maximum Capacity | UOM     |
| 358   | COL-2121      | COL-2121         | 100 cm column         | 500 L            | Liters  |
| 358   | TK-4101       | TK-4101          | TANK                  | 10000 L          | Liters  |
| 358   | TK-4111       | TK-4111          | TANK                  | 10000 L          | Liters  |
| 358   | TK-4121       | TK-4121          | TANK                  | 5000 L           | Liters  |
| 358   | TK-4131       | TK-4131          | TANK                  | 5000 L           | Liters  |
| 358   | TK-4141       | TK-4141          | TANK                  | 2500 L           | Liters  |
| 358   | TK-4151       | TK-4151          | TANK                  | 2500 L           | Liters  |
| 358   | TK-4201       | TK-4201          | TANK                  | 10000 L          | Liters  |
| 358   | TK-4211       | TK-4211          | TANK                  | 10000 L          | Liters  |
| 358   | TK-4221       | TK-4221          | TANK                  | 5000 L           | Liters  |
| 358   | TK-4231       | TK-4231          | TANK                  | 5000 L           | Liters  |
| 358   | TK-4241       | TK-4241          | TANK                  | 2500 L           | Liters  |
| 358   | TK-4251       | TK-4251          | TANK                  | 2500 L           | Liters  |
| 358   | TK-1962       | TK-1962          | Haz. Waste tank       | 200 G            | Gallons |
| 358   | TK-1963       | TK-1963          | Haz. Waste tank       | 200 G            | Gallons |

| B358 equipment subject to BACT (CP 960073-01) |               |                  |                       |                  |         |
|---|---------------|------------------|-----------------------|------------------|---------|
| Bldg.   | Stack/Vent ID | Emission Unit ID | Equipment Description | Maximum Capacity | UOM     |
| 358   | TK-1964       | TK-1964          | Haz. Waste tank       | 200 G            | Gallons |
| 358   | TK-1965       | TK-1965          | Haz. Waste tank       | 200 G            | Gallons |

**D.2.2 LDAR [326 IAC 8-1-6] [CP-960073-01]**

- (a) The Permittee shall implement LDAR requirement at Section E.3.3 of this permit for process components in VOC service. In VOC service means that a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least 5 percent by weight a volatile organic compound (VOC). Process components are those components from the arrival of raw materials at the source to the Pharmaceutical MACT point of determination (POD).
- (b) BACT for fugitive emissions from waste components in VOC service shall be the Leak Detection and Repair requirements of 40 CFR 61, Subpart V, as referenced in Section E.4.1 of this permit. In VOC service means that a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least 5 percent by weight a volatile organic compound (VOC). Waste components are those components after the Pharmaceutical Production MACT point of determination (POD).

**D.2.3 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]**

The bulk manufacture of pharmaceutical products by chemical synthesis takes place in a portion of Building 358. However, there are no facilities in this area with the potential to emit greater than 15 pounds per day of VOC, therefore, the requirements of 326 IAC 8-5-3 were not included in this permit.

**D.2.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

A Preventive Maintenance Plan (PMP) is required for this unit and its control device. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

**Compliance Determination Requirements**

**D.2.5 Volatile Organic Compounds**

To determine the compliance status with Condition D.2.1(a), the Permittee shall monitor emissions as outlined in 40 CFR 63, Subpart GGG, Sections 63.1258(b) and 63.1252 (for closed vent systems that contain bypass lines) of this permit.

**Record Keeping Requirements**

**D.2.6 Record Keeping Requirements**

To document the compliance status with Condition D.2.1(a), during periods when the source is not in operation using hazardous air pollutants, such that 40 CFR Part 63, Subpart GGG requirements do not apply, the Permittee shall maintain a log of information necessary to document compliance.

**SECTION D.3 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (c) Manufacture of bulk pharmaceutical products (Building 358) by:
  - (1) protein isolation with laboratory support;
  - (2) chemical synthesis, or non-synthesized chemical processes;units not subject to BACT [326 IAC 8-1-6].

(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 2-7-5(1)]**

**D.3.1 Advance Approval of Modifications [326 IAC 2-7-5(15)]**

The Permittee may modify any existing emission unit, replace any existing emission unit, or add a new process vessel, filter, centrifuge, dryer or any other pharmaceutical processing equipment to the operations described in this section without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B, C and E.3 of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.
- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification, replacement or construction of the emission unit does not meet the definition of a major modification as defined in 326 IAC 2-2-1 or 326 IAC 2-3-1.

**D.3.2 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]**

The bulk manufacture of pharmaceutical products by chemical synthesis takes place in a portion of Building 358. However, there are no facilities in this area with the potential to emit greater than 15 pounds per day of VOC; therefore, the requirements of 326 IAC 8-5-3 do not apply.

## SECTION D.4 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (d) The BHI area consists of five buildings (building 132, 133, 134, 138 and 142) where manufacturing of bulk pharmaceutical products through chemical synthesis takes place using condensers and a scrubber as VOC control.

(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 2-7-5(1)]

#### D.4.1 Prevention of Significant Deterioration Minor Limit [326 IAC 2-2][40 CFR 52.21]

Pursuant to Permit Number CP 910072-01 issued on October 2, 1991 and Amendment A072-0001 issued on June 3, 1997, VOC emissions from Buildings 132, 133 and 138 are limited to less than 40 tons per 12 consecutive month period with compliance determined at the end of each month such that 326 IAC 2-2 is not applicable.

#### D.4.2 Leak Detection and Repair [326 IAC 2-2] [40 CFR 52.21] [40 CFR 63 Subpart GGG]

Pursuant to CP-910072-01 and Amendment A072-0001, the Permittee shall implement leak detection and repair (LDAR) for pumps, valves, and connectors in VOC service in buildings 132, 133, and 138. The LDAR requirements are described in Conditions E.3.3. In VOC service means that a piece of equipment either contains or contacts a fluid (liquid or gas) that is at least ten (10) percent by weight a volatile organic compound (VOC).

- (a) On or before December 31, 2011, the Permittee shall complete all required monitoring for the current monitoring period, and shall close the current monitoring periods for valves and connectors on December 31, 2011.
- (b) The Permittee shall begin new monitoring periods for valves and for connectors on January 1, 2012.
- (c) The Permittee may revise the "process or group of processes" used for leak rate calculations on January 1, 2012.

#### D.4.3 Particulate Emission Limitation for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emissions Limitations for Manufacturing Processes), the allowable particulate emission rate from the urea prills unloading operation shall meet the particulate emission rate established by the equation below. The urea prills unloading operation shall not exceed 47.2 pounds per hour when operating at a process weight rate of 66 tons per hour. A particulate scrubber is an integral part of the urea prill unloading process and will operate at all times this process is in operation.

The pounds per hour limitation was calculated with the following equation:

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

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

P = process weight rate in tons per hour”

Or

Interpolation and extrapolation of the data for the process weight rate in excess of 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 55.0 P^{0.11} - 40$$

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

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#### D.4.4 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]

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- (a) Volatile organic compound emissions from all reactors, distillation operations, crystallizers, centrifuges, and vacuum dryers, which have the potential to emit VOC greater than 15 pounds per day, shall be controlled by surface condensers or equivalent controls.
- (1) If surface condensers are used, the condenser outlet gas temperature must not exceed minus twenty five degrees Celsius (-25 °C) when condensing VOC of vapor pressure greater than forty (40) kilo Pascals (5.8 pounds per square inch);
  - (2) If surface condensers are used, the condenser outlet gas temperature must not exceed minus fifteen degrees Celsius (-15 °C) when condensing VOC of vapor pressure greater than twenty (20) kilo Pascals (2.9 pounds per square inch);
  - (3) If surface condensers are used, the condenser outlet gas temperature must not exceed zero degrees Celsius (0 °C) when condensing VOC of vapor pressure greater than ten (10) kilo Pascals (1.5 pounds per square inch);
  - (4) If surface condensers are used, the condenser outlet gas temperature must not exceed ten degrees Celsius (10 °C) when condensing VOC of vapor pressure greater than seven (7) kilo Pascals (1 pound per square inch);
  - (5) If surface condensers are used, the condenser outlet gas temperature must not exceed twenty five degrees Celsius (25 °C) when condensing VOC of vapor pressure greater than three and a half (3.5) kilo Pascals (0.5 pound per square inch);
  - (6) The vapor pressures listed in (1) through (5) above shall be measured at twenty degrees Celsius (20 °C).
  - (7) If equivalent controls are used, the Volatile Organic Compound emissions must be reduced by at least as much as they would be by using a surface condenser which meets the requirements of (1) through (5) above.
- (b) Pursuant to 326 IAC 8-5-3(b)(2), VOC emissions from all air dryers and production equipment exhaust systems which have the potential to emit VOC greater than 15 pounds per day shall be reduced:
- (1) by at least ninety percent (90%) if emissions are one hundred fifty (150) kilograms per day (three hundred thirty (330) pounds per day) or more of VOC;  
or

- (2) to fifteen (15) kilograms per day (thirty three (33) pounds per day) or less if emissions are less than one hundred fifty (150) kilograms per day (three hundred thirty (330) pounds per day) of VOC.
- (c) Pursuant to 326 IAC 8-5-3(b)(3)(A), the Permittee shall provide a vapor balance system or equivalent control that is at least 90% effective in reducing emissions from truck or railcar deliveries to storage tanks, which have the potential to emit VOC greater than 15 pounds per day and which have capacities greater than seven thousand five hundred (7,500) liters (two thousand (2,000) gallons) that store VOC with vapor pressures greater than twenty-eight (28) kiloPascals (four and one-tenth (4.1) pounds per square inch) at 20 degrees C.
- (d) Pursuant to 326 IAC 8-5-3(b)(3)(B), the Permittee shall install a pressure / vacuum conservation vents set at plus or minus two-tenths ( ~~10~~.2) kiloPascals on all storage tanks which have the potential to emit VOC greater than 15 pounds per day and that store VOC with vapor pressures greater than ten (10) kiloPascals (one and five-tenths (1.5) pounds per square inch) at 20 degrees C, unless a more effective control system is used.
- (e) Pursuant to 326 IAC 8-5-3(b)(4), the Permittee shall enclose all centrifuges, rotary vacuum filters, and other filters which have the potential to emit VOC greater than 15 pounds per day and which have an exposed liquid surface, where the liquid contains VOC and exerts a total VOC vapor pressure of three and five-tenths (3.5) kiloPascals (five-tenths (0.5) pounds per square inch) or more at 20 degrees C.
- (f) Pursuant to 326 IAC 8-5-3(b)(5), the Permittee shall install covers on all inprocess tanks which have the potential to emit VOC greater than 15 pounds per day and which contain a volatile organic compound at any time. These covers must remain closed, unless production, sampling, maintenance, or inspection procedures require operator access.
- (g) Pursuant to 326 IAC 8-5-3(b)(6), the Permittee shall, for the emission units which have the potential to emit VOC greater than 15 pounds per day, repair all leaks from which a liquid, containing VOC, can be observed running or dripping. The repair shall be completed the first time the equipment is off line for a period of time long enough to complete the repair.

#### D.4.5 Advance Approval of Modifications [326 IAC 2-7-5(15)]

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The Permittee may modify any existing emission unit, replace any existing emission unit, or add a new process vessel, filter, centrifuge, dryer or any other pharmaceutical processing equipment to the operations described in this section without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B, C and E.3 of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.

- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification, replacement or construction of the emission unit does not meet the definition of a major modification as defined in 326 IAC 2-2 or 326 IAC 2-3.

**D.4.6 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

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A Preventive Maintenance Plan (PMP) is required for emission units and control devices subject to Condition D.4.4 - Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

**Compliance Determination**

**D.4.7 Volatile Organic Compounds (VOC)**

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Source emissions shall be calculated by mass balance, by appropriate unit operation emissions estimation procedures (e.g., Appendix B of "Control of Volatile Organic emissions from Manufacture of Synthesized Pharmaceutical Products," EPA-450/2-78-029), or by other generally accepted methods (e.g., AP-42 emission factors), as approved by the Commissioner to determine compliance with D.4.3.

**Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

**D.4.8 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]**

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- (a) For emitting units, subject to Condition D.4.4, controlled by a surface condenser, the Permittee shall record the condenser outlet gas temperature at least once per batch when the emitting unit is in operation.
- (b) For emitting units, subject to Condition D.4.4, controlled by a scrubber, the Permittee shall record the recirculation flow rate at least once per batch when the emitting unit is in operation.

**D.4.9 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]**

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- (a) The instrument employed for the measurement of temperature as required by Conditions D.4.4 and D.4.8 shall have a scale such that the expected normal reading shall be no less than five percent (5%) of full scale and be accurate within plus or minus 2.5°C.
- (b) The instrument employed for the measurement of flowrate as required by Condition D.4.8 shall be accurate within plus or minus ten percent (10%) of design flow rate.
- (c) The Permittee may request that 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.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.4.10 Record Keeping Requirements**

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- (a) To document the compliance status with Condition D.4.2, the Permittee shall keep records as described in Section E.3.3 (citing to 40 CFR 63.1255 of this permit) for pumps, valves and connectors in VOC service.

- (b) To document the compliance status with Condition D.4.1, the Permittee shall keep a record of the weight of VOCs emitted each month. Records necessary to demonstrate compliance shall be available within 30 days of the end of each month.
- (c) To document the compliance status with Conditions D.4.4 and D.4.8, the Permittee is required to:
  - (1) Keep an on-site log of emitting units subject to Condition D.4.4, the condensing VOC vapor pressure, the respective control device, and the applicable limitation.
  - (2) Keep records of once per batch temperature as per Condition D.4.8 for surface condensers subject to Condition D.4.4.
  - (3) Keep records of once per batch liquid flow rates as per Condition D.4.8 for scrubbers subject to Condition D.4.4.
- (d) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

#### D.4.11 Reporting Requirements

- (a) A quarterly summary of the information to document the compliance status with Condition D.4.1 shall be submitted according to Section C - General Reporting Requirements.
  - (b) To document the compliance status with Condition D.4.2, the Permittee shall submit reports as described in 40 CFR 63, Subpart GGG for fugitive emission components in VOC service. If, per Section D.4.2, the Permittee revises the "process or group of processes," as of January 1, 2012, an explanation shall be included with the next report submitted under this section.
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## SECTION D.5 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

- (e) Building 130 Complex (buildings 130, 135 and 136) consisting of laboratories and manufacturing of bulk pharmaceutical products through chemical synthesis, including the following:

One (1) urea prills unloading operation, constructed in 2001, approved in 2015 for modification to increase the maximum truck unloading rate, with a maximum capacity of 25 tons per hour, transferring material to tank TK-265, controlled by an integral scrubber.

(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 2-7-5(1)]

#### D.5.1 Particulate Emission Limitations for Manufacturing Processes [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the urea prills unloading operation located in Building 130 shall meet the particulate emission rate established by the equation below. The urea prills unloading operation shall not exceed 35.4 pounds per hour when operating at a process weight rate of 25 tons per hour. A scrubber is integral to the urea prill unloading process and will operate at all times this facility is in operation. The pounds per hour limitation was calculated with the following equation:

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

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

#### D.5.2 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]

- (a) Volatile organic compound emissions from all reactors, distillation operations, filters, crystallizers, centrifuges, and vacuum dryers, which have the potential to emit VOC greater than 15 pounds per day, shall be controlled by surface condensers or equivalent controls.
- (1) If surface condensers are used, the condenser outlet gas temperature must not exceed minus twenty five degrees Celsius (-25 °C) when condensing VOC of vapor pressure greater than forty (40) kilo Pascals (5.8 pounds per square inch);
  - (2) If surface condensers are used, the condenser outlet gas temperature must not exceed minus fifteen degrees Celsius (-15 °C) when condensing VOC of vapor pressure greater than twenty (20) kilo Pascals (2.9 pounds per square inch);
  - (3) If surface condensers are used, the condenser outlet gas temperature must not exceed zero degrees Celsius (0 °C) when condensing VOC of vapor pressure greater than ten (10) kilo Pascals (1.5 pounds per square inch);

- (4) If surface condensers are used, the condenser outlet gas temperature must not exceed ten degrees Celsius (10 °C) when condensing VOC of vapor pressure greater than seven (7) kilo Pascals (1 pound per square inch);
  - (5) If surface condensers are used, the condenser outlet gas temperature must not exceed twenty five degrees Celsius (25 °C) when condensing VOC of vapor pressure greater than three and a half (3.5) kilo Pascals (0.5 pound per square inch);
  - (6) The vapor pressures listed in (1) through (5) above shall be measured at twenty degrees Celsius (20 °C).
  - (7) If equivalent controls are used, the Volatile Organic Compound emissions must be reduced by at least as much as they would be by using a surface condenser which meets the requirements of (1) through (5) above.
- (b) Pursuant to 326 IAC 8-5-3(b)(2), VOC emissions from all air dryers and production equipment exhaust systems which have the potential to emit VOC greater than 15 pounds per day shall be reduced:
- (1) by at least ninety percent (90%) if emissions are one hundred fifty (150) kilograms per day (three hundred thirty (330) pounds per day) or more of VOC;  
or
  - (2) to fifteen (15) kilograms per day (thirty three (33) pounds per day) or less if emissions are less than one hundred fifty (150) kilograms per day (three hundred thirty (330) pounds per day) of VOC.
- (c) Pursuant to 326 IAC 8-5-3(b)(3)(A), the Permittee shall provide a vapor balance system or equivalent control that is at least 90% effective in reducing emissions from truck or railcar deliveries to storage tanks, which have the potential to emit VOC greater than 15 pounds per day and which have capacities greater than seven thousand five hundred (7,500) liters (two thousand (2,000) gallons) that store VOC with vapor pressures greater than twenty-eight (28) kiloPascals (four and one-tenth (4.1) pounds per square inch) at 20 degrees C.
- (d) Pursuant to 326 IAC 8-5-3(b)(3)(B), the Permittee shall install a pressure / vacuum conservation vents set at plus or minus two-tenths (  ±0.2) kiloPascals tanks which have the potential to emit VOC greater than 15 pounds per day and that store VOC with vapor pressures greater than ten (10) kiloPascals (one and five-tenths (1.5) pounds per square inch) at 20 degrees C, unless a more effective control system is used.
- (e) Pursuant to 326 IAC 8-5-3(b)(4), the Permittee shall enclose all centrifuges, rotary vacuum filters, and other filters which have the potential to emit VOC greater than 15 pounds per day and which have an exposed liquid surface, where the liquid contains VOC and exerts a total VOC vapor pressure of three and five-tenths (3.5) kiloPascals (five-tenths (0.5) pounds per square inch) or more at 20 degrees C.
- (f) Pursuant to 326 IAC 8-5-3(b)(5), the Permittee shall install covers on all inprocess tanks which have the potential to emit VOC greater than 15 pounds per day and which contain a volatile organic compound at any time. These covers must remain closed, unless production, sampling, maintenance, or inspection procedures require operator access.

- (g) Pursuant to 326 IAC 8-5-3(b)(6), the Permittee shall, for the emission units which have the potential to emit VOC greater than 15 pounds per day, repair all leaks from which a liquid, containing VOC, can be observed running or dripping. The repair shall be completed the first time the equipment is off line for a period of time long enough to complete the repair.

#### D.5.3 Advance Approval of Modifications [326 IAC 2-7-5(15)]

The Permittee may modify any existing emission unit, replace any existing emission unit, or add a new process vessel, filter, centrifuge, dryer or any other pharmaceutical processing equipment to the operations described in this section without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B, C and E.3 of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.
- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification, replacement or construction of the emission unit does not meet the definition of a major modification as defined in 326 IAC 2-2-1 or 326 IAC 2-3-1.

#### D.5.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan (PMP) is required for emission units and control devices subject to Condition D.5.2 - Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]. Section B - Preventive Maintenance Plan contains the Permittee's obligations with regard to the preventive maintenance plan required by this condition.

### **Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]**

#### D.5.5 Synthesized Pharmaceutical Manufacturing Operations [326 IAC 8-5-3]

- (a) For emitting units, subject to Condition D.5.2, controlled by a surface condenser, the Permittee shall record the condenser outlet gas temperature at least once per batch when the emitting unit is in operation.
- (b) For emitting units, subject to Condition D.5.2, controlled by a scrubber, the Permittee shall record the recirculation flow rate at least once per batch when the emitting unit is in operation.

#### D.5.6 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) The instrument employed for the measurement of temperature as required by Conditions D.5.2 and D.5.5 shall have a scale such that the expected normal reading shall be no less than five percent (5%) of full scale and be accurate within plus or minus 2.5°C.
- (b) The instrument employed for the measurement of flowrate as required by Condition D.5.5 shall be accurate within plus or minus ten percent (10%) of design flow rate.

- (c) The Permittee may request that 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.

### **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

#### **D.5.7 Record Keeping Requirements**

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- (a) To document the compliance status with Conditions D.5.2 and D.5.5, the Permittee is required to:
  - (1) Keep an on-site log of emitting units subject to Condition D.5.2 the condensing VOC vapor pressure, the respective control device, and the applicable limitation.
  - (2) Keep records of once per batch temperature as per Condition D.5.5 for surface condensers subject to Condition D.5.2.
  - (3) Keep records of once per batch liquid flow rates as per Condition D.5.5 for scrubbers subject to Condition D.5.2.
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

**SECTION D.6 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

**Entire Source**

(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 2-7-5(1)]**

**D.6.1 Architectural and Industrial Maintenance (AIM) [326 IAC 8-14]**

Pursuant to 326 IAC 8-14, on and after October 1, 2011, the Permittee shall comply with the applicable standards for Architectural and Industrial Maintenance (AIM) Coatings. 326 IAC 8-14 is not Federally enforceable.

**D.6.2 Work Practices [326 IAC 8-14-3]**

The Permittee shall comply with the following work practices:

- (1) All AIM coatings containers used to apply the contents therein to a surface directly from the container by:
  - (A) pouring;
  - (B) siphoning;
  - (C) brushing;
  - (D) rolling;
  - (E) padding;
  - (F) ragging; or
  - (G) other means;shall be closed when not in use.
- (2) Containers of any VOC-containing materials used for thinning and cleanup shall be closed when not in use.

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.6.3 Record Keeping Requirements**

- (a) To document the compliance status with Condition D.6.1, any person subject to this rule who applies traffic marking material shall maintain the following records:
  - (1) Types and amounts of traffic marking materials purchased annually.
  - (2) The VOC content or emission rate of each type of traffic marking material applied in any of the following:
    - (A) Grams per liter.
    - (B) Pounds per gallon.
    - (C) Kilograms per stripe-kilometer.
    - (D) Pounds per stripe-mile.
  - (3) Monthly quantities of each type of traffic marking material applied.

- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

**SECTION D.7 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (a) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3]
- (b) Activities with emissions equal to or less than insignificant thresholds: Cold cleaner degreasers that use more than 145 gallons per year, but have emissions less than 15 pounds per day of VOC. [326 IAC 8-3-2]

(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 2-7-5(1)]**

**D.7.1 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]**

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations constructed after January 1, 1980, the Permittee 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.7.2 Volatile Organic Compounds (VOC) (Cold Cleaner Degreaser Operation and Control) [326 IAC 8-3-5]**

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), the owner or operator of cold cleaner degreasers without remote solvent reservoirs existing as of January 1, 1980, located in Clark, Elkhart, Floyd, Lake, Marion, Porter or St. Joseph counties, or constructed after July 1, 1990, located in any county, shall ensure that the following 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.

**D.7.3 Advance Approval of Modifications [326 IAC 2-7-5(15)]**

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The Permittee may modify any existing degreasing operation, replace any existing degreasing operation, or add a new degreasing operation without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 or 326 IAC 2-7-11 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B and C of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.
- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification does not modify the degreasing operations to greater than 145 gallons per 12 months, except if subject to 326 IAC 20-6.
- (e) Any new degreasing operation does not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6.

**SECTION D.8 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

Specifically Regulated Insignificant Activities:

- (c) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour. [326 IAC 6-2-4]
  - (1) Eight (8) natural gas-fired rooftop HVAC units, approved in 2015 for construction, identified as Rooftop Units 1-8, each with a maximum heat input capacity of 0.355 MMBtu/hr, no control.
  - (2) One (1) natural gas-fired rooftop HVAC unit, approved in 2015 for construction, identified as Rooftop Unit 9, with a maximum heat input capacity of 0.08 MMBtu/hr, no control.
  - (3) Two (2) natural gas-fired rooftop HVAC units, approved in 2015 for construction, identified as Rooftop Unit 10 and Rooftop Unit 11, each with a maximum heat input capacity of 0.064 MMBtu/hr, no control.
  - (4) One (1) natural gas-fired rooftop HVAC unit, approved in 2015 for construction, identified as Rooftop Unit 12, with a maximum heat input capacity of 0.12 MMBtu/hr, no control.

(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 2-7-5(1)]**

**D.8.1 Particulate Emissions Limitation [326 IAC 6-2-4]**

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), particulate emissions from each rooftop HVAC unit shall be limited to 0.6 pounds per MMBtu heat input.

## **SECTION D.9 EMISSIONS UNIT OPERATION CONDITIONS**

### **Emissions Unit Description:**

- (hh) One (1) Research and Development facility, approved for construction in 2016, identified as K302 High Bay Flex Space. The maximum uncontrolled emission rate of the high bay flex space is 17.6 lb of VOC per hour and 1.39 lb of particulate per hour. The K302 high bay flex space is controlled by a particulate filter and exhausts through the K302 Strobic Stack System.

(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 2-7-5(1)]**

#### **D.9.1 Volatile Organic Compounds [326 IAC 8-1-6]**

In order to render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable, the VOC emissions from the High Bay Flex Space shall not exceed 24.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The amount of VOC in waste shipped offsite may be deducted from the reported monthly VOC emissions.

Compliance with this limit shall limit the potential to emit of VOC to less than twenty-five (25) tons per twelve (12) consecutive month period from the High Bay Flex Space and shall render the requirements of 326 IAC 8-1-6 not applicable to the High Bay Flex Space.

#### **D.9.2 PSD (Prevention of Significant Deterioration) [326 IAC 2-2]**

In order to render the requirements of 326 IAC 2-2 (Prevention Of Significant Deterioration (PSD) Requirements) not applicable, the VOC emissions from the High Bay Flex Space shall not exceed 35.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The amount of VOC in waste shipped offsite may be deducted from the reported monthly VOC emissions.

Compliance with this limit plus the potential to emit from the K302 laboratories shall restrict the potential to emit of VOC to less than forty (40) tons per twelve (12) consecutive month period from K302 and shall render the requirements of 326 IAC 2-2 not applicable.

#### **D.9.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

A Preventive Maintenance Plan is required for this particulate filter. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

### **Compliance Determination Requirements [326 IAC 2-7-6][326 IAC 2-7-5(1)]**

#### **D.9.4 Volatile Organic Compounds [326 IAC 2-7-6]**

- (a) To determine compliance with the 326 IAC 8-1-6 avoidance limit and 326 IAC 2-2 PSD Minor Limit, emissions shall be calculated by mass balance, by appropriate unit operation emission estimation procedures (e.g., Appendix B of "Control of Volatile Organic emissions from Manufacture of Synthesized Pharmaceutical Products, "EPA-450-2-78-029), or by other generally accepted methods (e.g., AP-42 emission factors), as approved by the Commissioner.

## **Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

### **D.9.5 Record Keeping Requirements**

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- (a) To document the compliance status with Conditions D.9.1 and D.9.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.9.1 and D.9.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (1) The total VOC usage for each month.
  - (2) The VOC content and amount of each liquid waste deposited into tote from High Bay Flex Space each month.
  - (3) The total VOC emitted for each month.
- (b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.

### **D.9.6 Reporting Requirements**

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A quarterly summary of the information to document the compliance status with Conditions D.9.1 and D.9.2 shall be submitted using the reporting form located at the end of this permit, or its equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).

**SECTION E.1 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

(g) Emergency Generators and fire pumps including those below:

| Bldg. | Name & if Fire Pump | Manufacturer/ Model              | Nominal Capacity | Units   | Fuel        | CI or SI | Date/Year Installed or Mfd. | NSPS New; Meet 60.4204 | RICE MACT |
|-------|---------------------|----------------------------------|------------------|---------|-------------|----------|-----------------------------|------------------------|-----------|
| B 134 | B 134               | Cummins 100DGDBL36421A           | 166              | HP      | No.2 oil    | CI       | 1991                        | No; N/A                | Existing  |
| B152  | B 152               | Cummins 800DFJB                  | 1200             | HP      | No.2 oil    | CI       | Before 2002                 | No; N/A                | Existing  |
| B 185 | B185 Fire Pump #1   | Caterpillar 3406B DI             | 375              | HP      | No.2 oil    | CI       | 1990                        | No; N/A                | Existing  |
| B 185 | B185 Fire Pump #2   | Caterpillar 3406B DI             | 375              | HP      | No.2 oil    | CI       | 1990                        | No; N/A                | Existing  |
| B 314 | B314                | Cummins 200DFAA                  | 380              | HP      | No.2 oil    | CI       | 1997                        | No; N/A                | Existing  |
| B 360 | B 360               | Cummins 60CSFAD                  | 145              | HP      | No.2 oil    | CI       | 2011                        | Yes; Yes               | New       |
| B 180 | B 180               | Cummins DGDB-4476255             | 155              | HP      | No.2 oil    | CI       | 2007 (manufactured 2000)    | No; N/A                | Existing  |
| B 359 | B 359 Fire House    | GM Gaseous Engine 3 L 4 cylinder | 20               | KW      | Natural Gas | SI       | 20006                       | No; N/A                | Existing  |
| B141  | B141 A              | Cummins DFHD                     | 1350             | HP      | No. 2 oil   | CI       | 1999                        | No; N/A                | Existing  |
| B141  | B141 B              | Cummins DFJD                     | 1350             | HP      | No. 2 oil   | CI       | 2001                        | No; N/A                | Existing  |
| B141  | B141 C              | Cummins DQKC                     | 2700             | HP      | No. 2 oil   | CI       | 2006                        | No; N/A                | New       |
| B141  | B141 D              | Cummins SAK60-G6 NR2             | 2922             | HP      | No. 2 oil   | CI       | 2010                        | Yes; Yes               | New       |
| B 314 | B314 Unit 2         | Cummins 200 DSGAE                | 324              | HP      | No. 2 oil   | CI       | 2013                        | Yes; No                | New       |
| B 359 | B 359 Fire House    | TBD                              | 0.25 (383)       | MW (HP) | Natural Gas | SI       | 2013                        | Yes; Yes               | New       |

This is an affected source under 40 CFR 63, Subpart ZZZZ.

- (1) One (1) compression ignition diesel emergency generator, approved in 2015 for construction, identified as CTMMS Emergency Generator, with a maximum output rating of ≤1800 hp, utilizing ultra-low sulfur

diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

- (2) One (1) compression ignition diesel emergency fire pump, approved in 2015 for construction, identified as LTC-N Fire Pump 1, with a maximum output rating of  $\leq 150$  hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

- (3) One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

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

### **National Emission Standards For Hazardous Air Pollutants [40 CFR 63]**

#### **E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]**

(a) Pursuant to 40 CFR 63.6665, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 in accordance with the schedule in 40 CFR 63 Subpart ZZZZ.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

#### **E.1.2 Provisions Relating to National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [326 IAC 20-82-1] [40 CFR Part 63, Subpart ZZZZ]**

Pursuant to CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR Part 63.6590, for the affected source, as specified as follows:

(a) Emergency Compression Ignition engines with a site rating of  $> 500$  brake horsepower (HP) constructed or reconstructed before December 19, 2002 (“existing”) shall meet the following requirements:

40 CFR 63.6600(c)  
40 CFR 63.6605  
40 CFR 63.6640(e)  
40 CFR 63.6640(f)(2)  
40 CFR 63.6645(a)(5)  
40 CFR 63.6650(f)  
40 CFR 63.6655(e)

- (b) Emergency Engines with a site rating of less than or equal to 500 brake HP, constructed or reconstructed before June 12, 2006 ("existing"), shall meet the following requirements on and after May 3, 2013:

- 40 CFR 63.6602
- 40 CFR 63.6605
- 40 CFR 63.6625(e)
- 40 CFR 63.6625(f)
- 40 CFR 63.6625(j)
- 40 CFR 63.6640(a)
- 40 CFR 63.6640(b)
- 40 CFR 63.6640(e)
- 40 CFR 63.6640(f)(1)
- 40 CFR 63.6645(a)(5)
- 40 CFR 63.6650(f)
- 40 CFR 63.6655(d) and (e)
- 40 CFR 63.6655(f)
- 40 CFR 63.6660
- 40 CFR 63.6665

- (c) Emergency Stationary Reciprocating Internal Combustion engines with a site rating of less than or equal to 500 brake HP, constructed or reconstructed on or after June 12, 2006 ("new"), shall meet the following requirements:

- 40 CFR 63.6590(c)(6)

- (d) Emergency Stationary Reciprocating Internal Combustion engines with a site rating of > 500 brake horsepower (HP) constructed or reconstructed on or after December 19, 2002 ("new") shall meet the following requirements:

- 40 CFR 63.6600(c)
- 40 CFR 63.6605
- 40 CFR 63.6640(e)
- 40 CFR 63.6640(f)
- 40 CFR 63.6645(c)
- 40 CFR 63.6645(f)
- 40 CFR 63.6650(f)

- (e) CTMMS Emergency Generator shall meet the following requirements:

- (1) 40 CFR 63.6585
- (2) 40 CFR 63.6590(a)(2)(i)
- (3) 40 CFR 63.6590(b)(1)(i)
- (4) 40 CFR 63.6600(c)
- (5) 40 CFR 63.6640(f), (f)(1), (2), (3)
- (6) 40 CFR 63.6645(f)
- (7) 40 CFR 63.6665
- (8) 40 CFR 63.6670
- (9) 40 CFR 63.6675

- (f) LTC-N Fire Pump 1 shall meet the following requirements:

- (1) 40 CFR 63.6585
- (2) 40 CFR 63.6590(a)(2)(ii)
- (3) 40 CFR 63.6590(c)(6)

- (4) 40 CFR 63.6665
- (5) 40 CFR 63.6670
- (6) 40 CFR 63.6675

(g) The diesel emergency generator (LTC-K314) shall meet the following requirements:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585(a) and (b)
- (3) 40 CFR 63.6590(b)(1)(i)
- (4) 40 CFR 63.6645(f)
- (5) 40 CFR 63.6665
- (6) 40 CFR 63.6670
- (7) 40 CFR 63.6675

E.1.3 Advance Approval of Modifications [326 IAC 2-7-5(15)]

The Permittee may modify any existing emission unit, replace any existing emission unit, or add an emergency engine or fire pump without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B and C of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.
- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification, replacement or construction of the emission unit does not meet the definition of a major modification as defined in 326 IAC 2-2-1 or 326 IAC 2-3-1.

**SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

(g) Emergency Generators and fire pumps including those below:

| Bldg. | Name & if Fire Pump | Manufacturer/ Model  | Nominal Capacity | Units | Fuel      | CI or SI | Date/Year Installed or Mfd. | NSPS New; Meet 60.4204 | RICE MACT |
|-------|---------------------|----------------------|------------------|-------|-----------|----------|-----------------------------|------------------------|-----------|
| B 360 | B 360               | Cummins 60CSFAD      | 145              | HP    | No.2 oil  | CI       | 2011                        | Yes; Yes               | New       |
| B141  | B141 D              | Cummins SAK60-G6 NR2 | 2922             | HP    | No. 2 oil | CI       | 2010                        | Yes; Yes               | New       |
| B314  | B314 Unit 2         | Cummins 200DSGAE     | 324              | HP    | No. 2 oil | CI       | 2013                        | Yes; No                | New       |

This is an affected source under 40 CFR 60, Subpart IIII.

- (1) One (1) compression ignition diesel emergency generator, approved in 2015 for construction, identified as CTMMS Emergency Generator, with a maximum output rating of ≤1800 hp, utilizing ultra-low sulfur diesel fuel, no control.  
  
Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.
- (2) One (1) compression ignition diesel emergency fire pump, approved in 2015 for construction, identified as LTC-N Fire Pump 1, with a maximum output rating of ≤150 hp, utilizing ultra-low sulfur diesel fuel, no control.  
  
Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.
- (3) One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.  
  
Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

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

**New Source Performance Standards [40 CFR Part 60]**

E.2.1 General Provisions Relating to NSPS IIII [326 IAC 12][40 CFR Part 60, Subpart A]

- (a) The provisions of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated by reference in 326 IAC 12-1, apply to the emergency Generators and fire pumps described in this section and all emergency Stationary Compression Ignition Internal Combustion Engines (CI ICE) manufactured after April 1, 2006, except fire pump

engines, and to fire pump engines manufactured after July 1, 2006, and to all CI ICE reconstructed or modified after July 11, 2005, except when otherwise specified in 40 CFR Part 60, Subpart IIII.

- (b) Pursuant to 40 CFR 60.4, the Permittee shall submit all required notifications and reports to:

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

E.2.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines  
[326 IAC 12][40 CFR Part 60, Subpart IIII]

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The Permittee who owns and operates stationary compression ignition (CI) internal combustion engines (ICE) constructed, manufactured, reconstructed, or modified after the relevant dates in 40 CFR Part 60, Subpart IIII, shall comply with the following provisions of 40 CFR Part 60, Subpart IIII, included in this permit. The source is subject to the following portions of Subpart IIII:

- (1) 40 CFR 60.4201;
- (2) 40 CFR 60.4202;
- (3) 40 CFR 60.4204; (if the engine is operated for any purposes other than emergencies, maintenance checks or readiness testing);
- (4) 40 CFR 60.4205
- (5) 40 CFR 60.4206;
- (6) 40 CFR 60.4207(b);
- (7) 40 CFR 60.4208;
- (8) 40 CFR 60.4209(a);
- (9) 40 CFR 60.4211(a);
- (10) 40 CFR 60.4211(b);
- (11) 40 CFR 60.4211(c);
- (12) 40 CFR 60.4211(e);
- (13) 40 CFR 60.4214(b);

CTMMS Emergency Generator shall meet the following requirements:

- (1) 40 CFR 60.4200(a)(2)
- (2) 40 CFR 60.4205(b)
- (3) 40 CFR 60.4206
- (4) 40 CFR 60.4207(b)
- (5) 40 CFR 60.4208(a)
- (6) 40 CFR 60.4209(a)
- (7) 40 CFR 60.4211(a)
- (8) 40 CFR 60.4211(c)
- (9) 40 CFR 60.4211(f)
- (10) 40 CFR 60.4211(g)
- (11) 40 CFR 60.4212
- (12) 40 CFR 60.4214(b)
- (13) 40 CFR 60.4218
- (14) 40 CFR 60.4219

LTC-N Fire Pump 1 shall meet the following requirements:

- (1) 40 CFR 60.4200(a)(2)
- (2) 40 CFR 60.4205(c)
- (3) 40 CFR 60.4206
- (4) 40 CFR 60.4207(b)
- (5) 40 CFR 60.4209(a)
- (6) 40 CFR 60.4211(a)
- (7) 40 CFR 60.4211(c)
- (8) 40 CFR 60.4211(f)
- (9) 40 CFR 60.4211(g)
- (10) 40 CFR 60.4214(b)
- (11) 40 CFR 60.4218
- (12) 40 CFR 60.4219

The diesel emergency generator (LTC-K314) shall meet the following requirements:

- (1) 40 CFR 60.4200(a)(2)(i) and (a)(4)
- (2) 40 CFR 60.4205(b) and (f)
- (3) 40 CFR 60.4206
- (4) 40 CFR 60.4207(a) and (b)
- (5) 40 CFR 60.4208
- (6) 40 CFR 60.4209(a)
- (7) 40 CFR 60.4211(a), (f), and (g)(3)
- (8) 40 CFR 60.4212
- (9) 40 CFR 60.4214(b)
- (10) 40 CFR 60.4218
- (11) 40 CFR 60.4219
- (12) 40 CFR 60 Subpart IIII Table 5
- (13) 40 CFR 60 Subpart IIII Table 8

### E.2.3 Advance Approval of Modifications [326 IAC 2-7-5(15)]

The Permittee may modify any existing emission unit, replace any existing emission unit, or add an emergency engine or fire pump without a source modification approval required by 326 IAC 2-7-10.5 or a permit revision required by 326 IAC 2-7-12 provided the following requirements are satisfied:

- (a) All the applicable requirements for the modified, replaced or newly constructed emission unit are described or referenced in this section of the permit or in Sections B and C of this permit.
- (b) The modification, replacement or construction of the emission unit does not require new or additional applicable requirements to be added to this section of the permit.
- (c) The modification, replacement or construction of the emission unit does not require revision of applicable requirements in this section of the permit.
- (d) The modification, replacement or construction of the emission unit does not meet the definition of a major modification as defined in 326 IAC 2-2-1 or 326 IAC 2-3-1.

**SECTION E.3 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (b) Manufacture of bulk pharmaceutical products (Building 358) by:
  - (1) protein isolation with a carbon adsorber for VOC and HAP control with laboratory support;
  - (2) chemical synthesis,units subject to BACT [326 IAC 8-1-6].
  
- (c) Manufacture of bulk pharmaceutical products (Building 358) by:
  - (1) protein isolation with laboratory support;
  - (2) chemical synthesis, or non-synthesized chemical processes;units not subject to BACT [326 IAC 8-1-6].
  
- (d) The BHI area consists of five buildings (building 132, 133, 134, 138 and 142) where manufacturing of bulk pharmaceutical products through chemical synthesis takes place using condensers and a scrubber as VOC control.
  
- (e) Building 130 Complex (buildings 130, 135 and 136) consisting of laboratories and manufacturing of bulk pharmaceutical products through chemical synthesis.

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

**National Emission Standards For Hazardous Air Pollutants [40 CFR 63]**

**E.3.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR 63, Subpart A]**

- (a) The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the processes described in this section except when otherwise specified in Table 1 of 40 CFR 63, Subpart GGG when manufacturing pharmaceutical product and processing, using or producing HAP.
  
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

**E.3.2 National Emission Standards for Hazardous Air Pollutants for Pharmaceuticals Production-- General [40 CFR 63, Subpart GGG] [326 IAC 20-57]**

Pursuant to 40 CFR 63, Subpart GGG, the Permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants for Pharmaceuticals Production which are incorporated by reference as 326 IAC 20-57 as specified as follows:

40 CFR 63.1250  
40 CFR 63.1251  
40 CFR 63.1252  
40 CFR 63.1253  
40 CFR 63.1254  
40 CFR 63.1256  
40 CFR 63.1257  
40 CFR 63.1258  
40 CFR 63.1259  
40 CFR 63.1260

E.3.3 National Emission Standards for Hazardous Air Pollutants for Pharmaceuticals Production—Leak Detection and Repair [40 CFR 63, Subpart GGG] [326 IAC 20-57]

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Pursuant to 40 CFR 63, Subpart GGG, the Permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants for Pharmaceuticals Production regarding Leak Detection and Repair which are incorporated by reference as 326 IAC 20-57 as specified as follows:

40 CFR 63.1255

**SECTION E.4 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

- (b) Manufacture of bulk pharmaceutical products (Building 358) by:
- (1) protein isolation with a carbon adsorber for VOC and HAP control with laboratory support;
  - (2) chemical synthesis,
- units subject to BACT [326 IAC 8-1-6].

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

**National Emission Standards For Hazardous Air Pollutants [40 CFR 61]**

**E.4.1 National Emission Standards for Equipment Leaks (Fugitive Emission Sources) [40 CFR 61, Subpart V] [326 IAC 14-8]**

Where required by specific conditions in Section D of this permit, pursuant to 40 CFR 61, Subpart V, the Permittee shall comply with the provisions of the National Emission Standards for Equipment Leaks (Fugitive Emission Sources) which are incorporated by reference as 326 IAC 14-8 as specified as follows:

- 40 CFR 61.242-2
- 40 CFR 61.242-3
- 40 CFR 61.242-4
- 40 CFR 61.242-5
- 40 CFR 61.242-6
- 40 CFR 61.242-7
- 40 CFR 61.242-8
- 40 CFR 61.242-10
- 40 CFR 61.243-1
- 40 CFR 61.243-2

**SECTION E.5 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

**Entire Source**

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

**National Emission Standards For Hazardous Air Pollutants [40 CFR 63]**

**E.5.1 General Provisions Relating to HAPs [326 IAC 20-1-1][40 CFR 63, Subpart A]**

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- (a) The provisions of 40 CFR Part 63, Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the processes described in this section except when otherwise specified in 40 CFR 63, Subpart GGGGG for Site Remediation.
  
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:  
  
Indiana Department of Environmental Management  
Compliance and Enforcement Branch, Office of Air Quality  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251

**E.5.2 National Emission Standards for Hazardous Air Pollutants: Site Remediation [40 CFR 63, Subpart GGGGG] [326 IAC 20-87]**

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Pursuant to 40 CFR 63, Subpart GGGGG, the Permittee shall comply with the provisions of the National Emission Standards for Hazardous Air Pollutants for Site Remediation which are incorporated by reference as 326 IAC 20-87 as specified as follows:

40 CFR 63.7881(c)

**SECTION E.6 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:**

**Entire Facility (as defined in 40 CFR 61.341)**

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

**National Emission Standards For Hazardous Air Pollutants [40 CFR 61]**

**E.6.1 General Provisions Relating to HAPs [326 IAC 14-1-1][40 CFR 61, Subpart A]**

---

(a) The provisions of 40 CFR Part 61, Subpart A - General Provisions, which are incorporated as 326 IAC 14-1-1, apply to the processes described in this section except when otherwise specified in 40 CFR 61, Subpart FF.

(b) Pursuant to 40 CFR 61.04, the Permittee shall submit all required notifications and reports to:

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

**E.6.2 National Emission Standards for Benzene Waste Operations [40 CFR 61, Subpart FF]**

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Pursuant to 40 CFR 61, Subpart FF, the Permittee shall comply with the provisions of the National Emission Standards for Benzene Waste Operations as specified as follows:

- 40 CFR 61.340(a)
- 40 CFR 61.341
- 40 CFR 61.342(a)
- 40 CFR 61.355
- 40 CFR 61.356
- 40 CFR 61.357 (a) & (b)

**SECTION E.7 EMISSIONS UNIT OPERATION CONDITIONS**

**Emissions Unit Description:** Emergency Generator

One (1) 0.25MW natural gas-fired emergency generator, identified as B359, permitted in 2013, with heat input capacity of 3.51 million British thermal units per hour, using Catalytic Oxidizer as control, and exhausting to stack B359 Emergency Generator.

This is an affected source under 40 CFR 60, Subpart JJJJ.

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

**New Source Performance Standards (NSPS) Requirements [326 IAC 12-1]**

**E.7.1 General Provisions Relating to New Source Performance Standards [326 IAC 12-1] [40 CFR Part 60, Subpart A]**

- (a) Pursuant to 40 CFR 60.1, the Permittee shall comply with the provisions of 40 CFR Part 60 Subpart A – General Provisions, which are incorporated by reference as 326 IAC 12-1 for emergency generator B359 except as otherwise specified in 40 CFR Part 60, Subpart JJJJ.
- (b) Pursuant to 40 CFR 60.19, the Permittee shall submit all required notifications and reports to:

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

**E.7.2 Standards of Performance for Stationary Spark Ignition Internal Combustion Engines [40 CFR Part 60, Subpart JJJJ] [326 IAC 12]**

Pursuant to 40 CFR Part 60, Subpart JJJJ, the Permittee shall comply with the provisions of Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, which are incorporated by reference as 326 IAC 12, for emergency generator B359 as follows: The full text of Subpart JJJJ may be found in Attachment G to this permit.

- (1) 40 CFR 60.4230(a)(4)(iii)
- (2) 40 CFR 60.4233(e)
- (3) 40 CFR 60.4234
- (4) 40 CFR 60.4236(a)
- (5) 40 CFR 60.4236(c)
- (6) 40 CFR 60.4237
- (7) 40 CFR 60.4243(b)
- (8) 40 CFR 60.4243(d) and (e)
- (9) 40 CFR 60.4243(f)
- (10) 40 CFR 60.4243(g)
- (11) 40 CFR 60.4245(a) and (b)
- (12) 40 CFR 60.4246
- (13) 40 CFR 60.4244 when 60.4243(f) applies

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
PART 70 OPERATING PERMIT  
CERTIFICATION**

Source Name: Eli Lilly and Company, Lilly Technology Center  
Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
Part 70 Permit No.: T097-30149-00072

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

Please check what document is being certified:

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

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
100 North Senate Avenue  
MC 61-53 IGCN 1003  
Indianapolis, Indiana 46204-2251  
Phone: (317) 233-0178  
Fax: (317) 233-6865**

**PART 70 OPERATING PERMIT  
EMERGENCY OCCURRENCE REPORT**

Source Name: Eli Lilly and Company, Lilly Technology Center  
Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
Part 70 Permit No.: T097-30149-00072

**This form consists of 2 pages**

**Page 1 of 2**

- This is an emergency as defined in 326 IAC 2-7-1(12)
- The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and
  - The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

If any of the following are not applicable, mark N/A

|   |
|---|
| Facility/Equipment/Operation:                       |
| Control Equipment:                                  |
| Permit Condition or Operation Limitation in Permit: |
| Description of the Emergency:                       |

|                                      |
|--------------------------------------|
| Describe the cause of the Emergency: |
|--------------------------------------|

If any of the following are not applicable, mark N/A

**Page 2 of 2**

|   |
|---|
| Date/Time Emergency started:  |
| Date/Time Emergency was corrected:  |
| Was the facility being properly operated at the time of the emergency?    Y    N  |
| Type of Pollutants Emitted: TSP, PM-10, SO <sub>2</sub> , VOC, NO <sub>x</sub> , CO, Pb, other:   |
| Estimated amount of pollutant(s) emitted during emergency:  |
| Describe the steps taken to mitigate the problem:   |
| Describe the corrective actions/response steps taken:   |
| Describe the measures taken to minimize emissions:  |
| If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value: |

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_



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

**Part 70 Quarterly Report**

Source Name: Eli Lilly and Company, Lilly Technology Center  
Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
Part 70 Permit No.: T097-30149-00072  
Facility: BHI Complex - Building 132  
Parameter: VOC  
Limit: Less than 40 tons per twelve (12) consecutive month period with compliance determined at the end of each month.

QUARTER :

YEAR:

| Month   | Column 1   | Column 2           | Column 1 + Column 2 |
|---------|------------|--------------------|---------------------|
|         | This Month | Previous 11 Months | 12 Month Total      |
| Month 1 |            |                    |                     |
| Month 2 |            |                    |                     |
| Month 3 |            |                    |                     |

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on:

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

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

**Quarterly Report**

Source Name: Eli Lilly and Company, Lilly Technology Center  
Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
Part 70 Permit No.: T097-30149-00072  
Facility: Research and Development facility, K302  
Parameter: VOC Emissions [326 IAC 8-1-6]  
Limit: VOC emissions from the High Bay Flex Space shall not exceed 24.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: \_\_\_\_\_

YEAR: \_\_\_\_\_

| Month | Column 1   | Column 2           | Column 1 + Column 2 |
|-------|------------|--------------------|---------------------|
|       | This Month | Previous 11 Months | 12 Month Total      |
|       |            |                    |                     |
|       |            |                    |                     |
|       |            |                    |                     |

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

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

**Quarterly Report**

Source Name: Eli Lilly and Company, Lilly Technology Center  
Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
Part 70 Permit No.: T097-30149-00072  
Facility: Research and Development facility, K302  
Parameter: VOC Emissions [326 IAC 2-2]  
Limit: VOC emissions from the High Bay Flex Space shall not exceed 35.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: \_\_\_\_\_ YEAR: \_\_\_\_\_

| Month | Column 1   | Column 2           | Column 1 + Column 2 |
|-------|------------|--------------------|---------------------|
|       | This Month | Previous 11 Months | 12 Month Total      |
|       |            |                    |                     |
|       |            |                    |                     |
|       |            |                    |                     |

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT  
OFFICE OF AIR QUALITY  
COMPLIANCE AND ENFORCEMENT BRANCH  
PART 70 OPERATING PERMIT**

### QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Eli Lilly and Company, Lilly Technology Center  
Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
Part 70 Permit No.: T097-30149-00072

Months: \_\_\_\_\_ to \_\_\_\_\_ Year: \_\_\_\_\_

|   |                               |
|---|-------------------------------|
| <p>This report shall be submitted quarterly based on a calendar year. Proper notice submittal under Section B –Emergency Provisions satisfies the reporting requirements of paragraph (a) of Section C- General Reporting. Any deviation from the requirements of this permit, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p> |                               |
| <input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.  |                               |
| <input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD  |                               |
| <b>Permit Requirement</b> (specify permit condition #)  |                               |
| <b>Date of Deviation:</b>   | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>  |                               |
| <b>Probable Cause of Deviation:</b>   |                               |
| <b>Response Steps Taken:</b>  |                               |
| <b>Permit Requirement</b> (specify permit condition #)  |                               |
| <b>Date of Deviation:</b>   | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>  |                               |
| <b>Probable Cause of Deviation:</b>   |                               |
| <b>Response Steps Taken:</b>  |                               |

|  |
|--|
| <b>Permit Requirement</b> (specify permit condition #) |
|--|

|  |                               |
|--|-------------------------------|
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |
| <b>Permit Requirement (specify permit condition #)</b> |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |
| <b>Permit Requirement (specify permit condition #)</b> |                               |
| <b>Date of Deviation:</b>                              | <b>Duration of Deviation:</b> |
| <b>Number of Deviations:</b>                           |                               |
| <b>Probable Cause of Deviation:</b>                    |                               |
| <b>Response Steps Taken:</b>                           |                               |

Form Completed by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

**Indiana Department of Environmental Management  
Office of Air Quality**

**Technical Support Document (TSD) for a Part 70 Significant Source  
Modification and Significant Permit Modification**

**Source Description and Location**

|                                      |  |
|--------------------------------------|--|
| Source Name:                         | Eli Lilly and Company, Lilly Technology Center       |
| Source Location:                     | 1555 South Harding Street, Indianapolis, IN<br>46168 |
| County:                              | Marion County (Center Township)                      |
| SIC Code:                            | 2834 (Pharmaceutical Preparations)                   |
| Operation Permit No.:                | T 097-30149-00072                                    |
| Operation Permit Issuance Date:      | June 13, 2011  |
| Significant Source Modification No.: | 097-36427-00072                                      |
| Significant Permit Modification No.: | 097-36429-00072                                      |
| Permit Reviewer:                     | Deena Patton   |

**Existing Approvals**

The source was issued Part 70 Operating Permit No. 097-30149-00072 on June 13, 2011. The source has since received the following approvals:

- (a) Significant Permit Modification No.097-32466-00072, issued on March 27, 2013;
- (b) Administrative Amendment No.097-35571-00072, issued on April 14, 2015; and
- (c) Minor Permit Modification No. 097-35676-00072, issued on June 30, 2015;

**County Attainment Status**

The source is located in Marion County (Center Township).

| Pollutant         | Designation  |
|-------------------|--|
| SO <sub>2</sub>   | Non-attainment effective October 4, 2013, for the Center Township, Perry Township, and Wayne Township. Better than national standards for the remainder of the county.   |
| CO                | Attainment effective February 18, 2000, for the part of the city of Indianapolis bounded by 11 <sup>th</sup> Street on the north; Capitol Avenue on the west; Georgia Street on the south; and Delaware Street on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of Indianapolis and Marion County. |
| O <sub>3</sub>    | Unclassifiable or attainment effective July 20, 2012, for the 2008 8-hour ozone standard. <sup>1</sup>   |
| PM <sub>2.5</sub> | Attainment effective July 11, 2013, for the annual PM <sub>2.5</sub> standard.   |
| PM <sub>2.5</sub> | Unclassifiable or attainment effective December 13, 2009, for the 24-hour PM <sub>2.5</sub> standard.  |
| PM <sub>10</sub>  | Unclassifiable effective November 15, 1990.  |
| NO <sub>2</sub>   | Cannot be classified or better than national standards.  |
| Pb                | Unclassifiable or attainment effective December 31, 2011.  |

<sup>1</sup>Attainment effective October 18, 2000, for the 1-hour ozone standard for the Indianapolis area, including Marion County, and is a maintenance area for the 1-hour ozone National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X\*. The 1-hour designation was revoked effective June 15, 2005.

- (a) Ozone Standards  
Volatile organic compounds (VOC) and Nitrogen Oxides (NO<sub>x</sub>) 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 NO<sub>x</sub> emissions are

considered when evaluating the rule applicability relating to ozone. Marion County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (b) PM<sub>2.5</sub>  
Marion County has been classified as attainment for PM<sub>2.5</sub>. Therefore, direct PM<sub>2.5</sub>, SO<sub>2</sub>, and NO<sub>x</sub> emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) SO<sub>2</sub>  
U.S. EPA, in the Federal Register Notice 78 FR 47191 dated August 5, 2013, has designated Marion County Center Township as nonattainment for SO<sub>2</sub>. Therefore, SO<sub>2</sub> emissions were reviewed pursuant to the requirements of Emission Offset, 326 IAC 2-3.
- (d) Other Criteria Pollutants  
Marion County has been classified as attainment or unclassifiable in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

#### Fugitive Emissions

Since this source is classified as a pharmaceutical manufacturing source, it is considered one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2, 326 IAC 2-3, or 326 IAC 2-7. Therefore, fugitive emissions are counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

#### Source Status - Existing Source

The table below summarizes the potential to emit of the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

| Pollutant         | Emissions (ton/yr) |
|-------------------|--------------------|
| PM                | 10.47              |
| PM <sub>10</sub>  | 10.41              |
| PM <sub>2.5</sub> | 10.41              |
| SO <sub>2</sub>   | 1.77               |
| NO <sub>x</sub>   | 52.14              |
| VOC               | 144.21             |
| CO                | 22.66              |
| Single HAPs       | >10                |
| Total HAPs        | >25                |
| H <sub>2</sub> S  | 3.8                |

On June 23, 2014, in the case of *Utility Air Regulatory Group v. EPA*, cause no. 12-1146, (available at [http://www.supremecourt.gov/opinions/13pdf/12-1146\\_4g18.pdf](http://www.supremecourt.gov/opinions/13pdf/12-1146_4g18.pdf)) the United States Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule,

or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHGs emissions to determine operating permit applicability or PSD applicability to a source or modification.

- (a) This existing source is a major stationary source, under PSD (326 IAC 2-2), because a PSD regulated pollutant is emitted at a rate of 100 tons per year or more, and it is one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is not a major stationary source under Emission Offset (326 IAC 2-3) because SO<sub>2</sub> is not emitted at a rate of 100 tons per year or more.
- (c) These emissions are based upon Technical Support Document of Minor Permit Modification No.: 097-35676-00072, issued on June 30, 2015.
- (d) This existing source is a major source of HAPs, as defined in 40 CFR 63.2, because HAP emissions are greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, this source is a major source under Section 112 of the Clean Air Act (CAA).

#### Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed a modification application, submitted by Eli Lilly and Company, Lilly Technology Center on October 30, 2015, relating to the construction and operation of a new research building, K302 and a new emergency diesel generator. The following is a list of the proposed emission units and pollution control device(s):

- (g) Emergency Generators and fire pumps including, but not limited to, those below:

\*\*\*

- (3) One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.

Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.

\*\*\*

- (cc) Laboratories as defined in 326 IAC 2-7-1(21)(D).

\*\*\*

- (hh) One (1) Research and Development facility, approved for construction in 2016, identified as K302 High Bay Flex Space. The maximum uncontrolled emission rate of the high bay flex space is 17.6 lb of VOC per hour and 1.39 lb of particulate per hour. The K302 high bay flex space is controlled by a particulate filter and exhausts through the K302 Strobic Stack System.

#### Enforcement Issues

There are no pending enforcement actions.

#### Emission Calculations

See Appendix A of this Technical Support Document for detailed emission calculations.

#### Permit Level Determination – Part 70 Modification to an Existing Source

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission 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, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit. If the control equipment has been determined to be integral, the table reflects the PTE after consideration of the integral control device.

| <b>Increase in PTE Before Controls of the Modification</b> |                                   |
|--|-----------------------------------|
| <b>Pollutant</b>   | <b>Potential To Emit (ton/yr)</b> |
| PM   | 6.24                              |
| PM <sub>10</sub>   | 6.18                              |
| PM <sub>2.5</sub>  | 6.18                              |
| SO <sub>2</sub>  | 0.08                              |
| VOC  | 50.19                             |
| CO   | 1.04                              |
| NO <sub>x</sub>  | 4.53                              |
| Single HAPs  | >10                               |
| Total HAPs   | >25                               |

Appendix A of this TSD reflects the unrestricted potential emissions of the modification.

This source modification is subject to 326 IAC 2-7-10.5(g)(4)(D), since the potential to emit VOCs is greater than twenty-five (25) tons per year . Additionally, the modification will be incorporated into the Part 70 Operating Permit through a significant permit modification issued pursuant to 326 IAC 2-7-12(d)(1), because the modification requires a case-by-case determination of an emission limitation.

**Permit Level Determination – PSD or Emission Offset**

The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 source and permit modification, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

| <b>Process / Emission Unit</b> | <b>Project Emissions (ton/yr)</b> |                        |                          |                       |                       |            |           |
|--------------------------------|-----------------------------------|------------------------|--------------------------|-----------------------|-----------------------|------------|-----------|
|                                | <b>PM</b>                         | <b>PM<sub>10</sub></b> | <b>PM<sub>2.5</sub>*</b> | <b>SO<sub>2</sub></b> | <b>NO<sub>x</sub></b> | <b>VOC</b> | <b>CO</b> |
| <b>Laboratories</b>            | 0.00                              | 0.00                   | 0.00                     | 0.00                  | 0.00                  | 4.21       | 0.00      |
| <b>High Bay Flex Space</b>     | 6.11                              | 6.11                   | 6.11                     | 0.00                  | 0.00                  | 35.2       | 0.00      |
| <b>Emergency Generator</b>     | 0.13                              | 0.08                   | 0.08                     | 0.08                  | 4.53                  | 0.13       | 1.04      |
| Total for Modification         | 6.24                              | 6.18                   | 6.18                     | 0.08                  | 4.53                  | 39.54      | 1.04      |
| Emission Offset                | ---                               | ---                    | ---                      | 100                   | ---                   | ---        | ---       |
| Significant Thresholds         | 25                                | 15                     | 10                       | 40                    | 40                    | 40         | 100       |

\*PM<sub>2.5</sub> listed is direct PM<sub>2.5</sub>.

Supreme Court ruled that the U.S. EPA does not have the authority to treat greenhouse gases (GHGs) as an air pollutant for the purpose of determining operating permit applicability or PSD Major source status. On July 24, 2014, the U.S. EPA issued a memorandum to the Regional Administrators outlining next steps in permitting decisions in light of the Supreme Court's decision. U.S. EPA's guidance states that U.S. EPA will no longer require PSD or Title V permits for sources "previously classified as 'Major' based solely on greenhouse gas emissions."

The Indiana Environmental Rules Board adopted the GHG regulations required by U.S. EPA at 326 IAC 2-2-1(zz), pursuant to Ind. Code § 13-14-9-8(h) (Section 8 rulemaking). A rule, or part of a rule, adopted under Section 8 is automatically invalidated when the corresponding federal rule, or part of the rule, is invalidated. Due to the United States Supreme Court Ruling, IDEM, OAQ cannot consider GHGs emissions to determine operating permit applicability or PSD applicability to a source or modification.

This modification to an existing major PSD stationary source is not major, because the emissions increase of each PSD regulated pollutant are less than the PSD significant thresholds; therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Since this source is considered a major PSD source and the unrestricted potential to emit of this modification is greater than forty (40) tons of VOC per year. This source has elected to limit the potential to emit of this modification as follows:

- (a) The VOC emission rate from the High Bay Flex Space shall not exceed 35.2 tons per twelve consecutive month period with compliance determined at the end of each month.

Compliance with this emission limit shall ensure that the potential to emit from this modification is less than forty (40) tons of VOC per year, and therefore will render the requirements of 326 IAC 2-2 not applicable.

This modification to an existing minor Emission Offset stationary source is not major because no SO<sub>2</sub> emissions are emitted from this modification. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply to this modification.

### Federal Rule Applicability Determination

The following federal rules are applicable to the source due to this modification:

**NSPS:**

- (a) The emergency generator is subject to the New Source Performance Standards for Stationary Compression Ignition Internal Combustion Engines (40 CFR 60.4200, Subpart IIII, which is incorporated by reference as 326 IAC 12. The unit subject to this rule include the following:

One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.

The unit is subject to the following portions of Subpart IIII.

- (1) 40 CFR 60.4200(a)(2)(i) and (a)(4)
- (2) 40 CFR 60.4205(b) and (f)
- (3) 40 CFR 60.4206
- (4) 40 CFR 60.4207(a) and (b)
- (5) 40 CFR 60.4208
- (6) 40 CFR 60.4209(a)
- (7) 40 CFR 60.4211(a), (f), and (g)(3)
- (8) 40 CFR 60.4212
- (9) 40 CFR 60.4214(b)

- (10) 40 CFR 60.4218
- (11) 40 CFR 60.4219
- (12) 40 CFR 60 Subpart IIII Table 5
- (13) 40 CFR 60 Subpart IIII Table 8

**NESHAP:**

- (b) The Research and Development facility, K302, is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Pharmaceutical Production, 40 CFR 63 Subpart GGG, since pursuant to 40 CFR 63.1250(d), research and development facilities are exempt from this subpart.
- (c) The diesel emergency generator is subject to the National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (40 CFR 63, Subpart ZZZZ), which is incorporated by reference as 326 IAC 20-82. The unit subject to this rule include the following:

One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.

The diesel emergency generator is subject to the following portions of Subpart ZZZZ:

- (1) 40 CFR 63.6580
- (2) 40 CFR 63.6585(a) and (b)
- (3) 40 CFR 63.6590(b)(1)(i)
- (4) 40 CFR 63.6645(f)
- (5) 40 CFR 63.6665
- (6) 40 CFR 63.6670
- (7) 40 CFR 63.6675

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facility described in this section except when otherwise specified in 40 CFR 63 Subpart ZZZZ.

**CAM:**

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
  - (1) has a potential to emit before controls equal to or greater than the Part 70 major source threshold for the pollutant involved;
  - (2) is subject to an emission limitation or standard for that pollutant; and
  - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the new units as part of this modification, since the units do not have uncontrolled potential to emit of any pollutants greater than Part 70 Major Source Threshold of one hundred (100) tons per year.

|   |
|---|
| <b>State Rule Applicability Determination</b> |
|---|

The following state rules are applicable to the source due to the modification:

**326 IAC 2-2 and 2-3 (PSD and Emission Offset)**

PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD and Emission Offset section.

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

Pursuant to 326 IAC 2-4.1-1(b)(4), the new research and development operation is not subject to 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants).

**326 IAC 2-7-6(5) (Annual Compliance Certification)**

The U.S. EPA Federal Register 79 FR 54978 notice does not exempt Title V Permittees from the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D), but the submittal of the Title V annual compliance certification to IDEM satisfies the requirement to submit the Title V annual compliance certifications to EPA. IDEM does not intend to revise any permits since the requirements of 40 CFR 70.6(c)(5)(iv) or 326 IAC 2-7-6(5)(D) still apply, but Permittees can note on their Title V annual compliance certification that submission to IDEM has satisfied reporting to EPA per Federal Register 79 FR 54978. This only applies to Title V Permittees and Title V compliance certifications.

**Laboratories**

**326 IAC 6.5 (Particulate Matter Limitations Except Lake County)**

Pursuant to 326 IAC 6.5-1-1(a)(2), the laboratories are not subject to the provisions of 326 IAC 6.5, since the actual particulate emissions from the entire source are less than ten (10) tons per year.

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

Pursuant to 326 IAC 6-3-1(b)(14), the Laboratories are not subject to the provisions of 326 IAC 6-3-2(e), since the potential to emit of particulate is less than five hundred fifty-one thousandths (0.551) pound per hour.

**326 IAC 8-5-3 (Synthesized Pharmaceutical Manufacturing operations)**

Pursuant to 326 IAC 8-5-3(a), the Laboratories are not subject to the provisions of 326 IAC 8-5-3, since the Laboratories will not conduct any synthesized pharmaceutical manufacturing operations.

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

Pursuant to 326 IAC 8-1-6(1), the Laboratories are not subject to the provisions of 326 IAC 8-1-6, since the potential emissions of VOC is less than twenty-five (25) tons per year.

**High Bay Flex Space**

**326 IAC 6.5 (Particulate Matter Limitations Except Lake County)**

Pursuant to 326 IAC 6.5-1-1(a)(2), the high bay flex space are not subject to the provisions of 326 IAC 6.5, since the actual particulate emissions from the entire source are less than ten (10) tons per year.

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

Pursuant to 326 IAC 6-3-1(b)(14), the High Bay Flex Space is subject to the provisions of 326 IAC 6-3-2(e), since the potential to emit of particulate is greater than five hundred fifty-one thousandths (0.551) pound per hour. Pursuant to 326 IAC 6-3-2(e)(2), the high bay flex space shall not exceed five hundred fifty-one thousandths (0.551) pound per hour.

**326 IAC 8-5-3 (Synthesized Pharmaceutical Manufacturing operations)**

Pursuant to 326 IAC 8-5-3(a), the High Bay Flex Space are not subject to the provisions of 326 IAC 8-5-3, since the High Bay Flex Space will not conduct any synthesized pharmaceutical manufacturing operations.

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

Pursuant to 326 IAC 8-1-6(1), the High Bay Flex Space is not subject to the provisions of 326 IAC 8-1-6, since the Permittee has limited the potential VOC emissions to 24.9 tons per twelve consecutive month period with compliance determined at the end of each month..

### **Emergency Generator**

#### **326 IAC 6.5 (Particulate Matter Limitations Except Lake County)**

Pursuant to 326 IAC 6.5-1-1(a)(2), the emergency generator is not subject to the provisions of 326 IAC 6.5, since the actual particulate emissions from the entire source are less than ten (10) tons per year.

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

Pursuant to 326 IAC 1-2-59, the requirements of 326 IAC 6-3-2 are not applicable to the emergency diesel generator, since liquid and gaseous fuels and combustion air are not considered as part of the process weight.

#### **326 IAC 8-1-6 (New facilities; general reduction requirements)**

Pursuant to 326 IAC 8-1-6(1), the emergency diesel generator is not subject to the provisions of 326 IAC 8-1-6, since the potential to emit VOC is less than twenty-five (25) tons per year.

### **Compliance Determination and Monitoring Requirements**

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions; however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance Determination Requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The Compliance Determination Requirements applicable to this modification are as follows:

- (a) The High Bay Flex Space has applicable compliance determination conditions as specified below:
  - (1) To determine compliance with the 326 IAC 8-1-6 avoidance limit and the PSD Minor Limit, emissions shall be calculated by mass balance, by appropriate unit operation emission estimation procedures (e.g., Appendix B of "Control of Volatile Organic emissions from Manufacture of Synthesized Pharmaceutical Products, "EPA-450-2-78-029), or by other generally accepted methods (e.g., AP-42 emission factors), as approved by the Commissioner.

There are no compliance monitoring requirements applicable to this modification.

### **Proposed Changes**

The changes listed below have been made to Part 70 Operating Permit No. 097-30149-00072, issued on June 13, 2011. Deleted language appears as ~~strikethroughs~~ and new language appears in **bold**:

- A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)]  
[326 IAC 2-7-5(14)]

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

(a) \*\*\*  
\*\*\*

(g) Emergency Generators and fire pumps including, but not limited to, those below:  
\*\*\*

(3) **One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.**

**Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.**

\*\*\*

A.4 Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(14)]

This stationary source also includes the following insignificant activities as defined in 326 IAC 2-7-1(21):

\*\*\*

(hh) **One (1) Research and Development facility, approved for construction in 2016, identified as K302 High Bay Flex Space. The maximum uncontrolled emission rate of the high bay flex space is 17.6 lb of VOC per hour and 1.39 lb of particulate per hour. The K302 high bay flex space is controlled by a particulate filter and exhausts through the K302 Strobic Stack System.**

\*\*\*

## SECTION D.9 EMISSIONS UNIT OPERATION CONDITIONS

### Emissions Unit Description:

(hh) **One (1) Research and Development facility, approved for construction in 2016, identified as K302 High Bay Flex Space. The maximum uncontrolled emission rate of the high bay flex space is 17.6 lb of VOC per hour and 1.39 lb of particulate per hour. The K302 high bay flex space is controlled by a particulate filter and exhausts through the K302 Strobic Stack System.**

**(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 2-7-5(1)]

#### D.9.1 Volatile Organic Compounds [326 IAC 8-1-6]

In order to render the requirements of 326 IAC 8-1-6 (New Facilities; General Reduction Requirements) not applicable, the VOC emissions from the High Bay Flex Space shall not exceed 24.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The amount of VOC in waste shipped offsite may be deducted from the reported monthly VOC emissions.

Compliance with this limit shall limit the potential to emit of VOC to less than twenty-five (25) tons per twelve (12) consecutive month period from the High Bay Flex Space and shall render the requirements of 326 IAC 8-1-6 not applicable to the High Bay Flex Space.

#### D.9.2 PSD (Prevention of Significant Deterioration) Minor Limit [326 IAC 2-2]

In order to render the requirements of 326 IAC 2-2 (Prevention Of Significant Deterioration (PSD) Requirements) not applicable, the VOC emissions from the High Bay Flex Space shall not exceed 35.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The amount of VOC in waste shipped offsite may be deducted from the reported monthly VOC emissions.

**Compliance with this limit plus the potential to emit from the K302 laboratories shall restrict the potential to emit of VOC to less than forty (40) tons per twelve (12) consecutive month period from K302 and shall render the requirements of 326 IAC 2-2 not applicable.**

**D.9.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]**

**A Preventive Maintenance Plan is required for this particulate filter. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.**

**Compliance Determination Requirements [326 IAC 2-7-6]**

**D.9.4 Volatile Organic Compounds [326 IAC 2-7-6]**

**(a) To determine compliance with the 326 IAC 8-1-6 avoidance limit and 326 IAC 2-2 PSD Minor Limit, emissions shall be calculated by mass balance, by appropriate unit operation emission estimation procedures (e.g., Appendix B of "Control of Volatile Organic emissions from Manufacture of Synthesized Pharmaceutical Products, "EPA-450-2-78-029), or by other generally accepted methods (e.g., AP-42 emission factors), as approved by the Commissioner.**

**Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]**

**D.9.5 Record Keeping Requirements**

**(a) To document the compliance status with Conditions D.9.1 and D.9.2, the Permittee shall maintain records in accordance with (1) through (3) below. Records maintained for (1) through (3) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.9.1 and D.9.2. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.**

- (1) The total VOC usage for each month.**
- (2) The VOC content and amount of each liquid waste deposited into tote from High Bay Flex Space each month.**
- (3) The total VOC emitted for each month.**

**(b) Section C - General Record Keeping Requirements contains the Permittee's obligations with regard to the record keeping required by this condition.**

**D.9.6 Reporting Requirements**

**A quarterly summary of the information to document the compliance status with Conditions D.9.1 and D.9.2 shall be submitted using the reporting form located at the end of this permit, or its equivalent, no later than thirty (30) days after the end of the quarter being reported. Section C - General Reporting contains the Permittee's obligation with regard to the reporting required by this condition. The report submitted by the Permittee does require a certification that meets the requirements of 326 IAC 2-7-6(1) by a "responsible official," as defined by 326 IAC 2-7-1(35).**

\*\*\*

SECTION E.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(g) Emergency Generators and fire pumps including those below:

\*\*\*

- (3) **One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.**

**Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.**

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

#### National Emission Standards For Hazardous Air Pollutants [40 CFR 63]

E.1.1 General Provisions Relating to National Emission Standards for Hazardous Air Pollutants under 40 CFR Part 63 [326 IAC 20-1] [40 CFR Part 63, Subpart A]

\*\*\*

E.1.2 Provisions Relating to National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines [326 IAC 20-82-1] [40 CFR Part 63, Subpart ZZZZ]

Pursuant to CFR Part 63, Subpart ZZZZ, the Permittee shall comply with the provisions of 40 CFR Part 63.6590, for the affected source, as specified as follows:

\*\*\*

(g) **The diesel emergency generator (LTC-K314) shall meet the following requirements:**

- (1) **40 CFR 63.6580**
- (2) **40 CFR 63.6585(a) and (b)**
- (3) **40 CFR 63.6590(b)(1)(i)**
- (4) **40 CFR 63.6645(f)**
- (5) **40 CFR 63.6665**
- (6) **40 CFR 63.6670**
- (7) **40 CFR 63.6675**

\*\*\*

#### SECTION E.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

(g) Emergency Generators and fire pumps including those below:

\*\*\*

- (3) **One (1) compression ignition diesel emergency generator, approved in 2016 for construction, identified as LTC-K314, with a maximum output rating of 755 hp, utilizing ultra-low sulfur diesel fuel, no control.**

**Under 40 CFR 60, Subpart IIII, this is considered an affected source. Under 40 CFR 63, Subpart ZZZZ, this is considered an affected source.**

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

New Source Performance Standards [40 CFR Part 60]

E.2.1 General Provisions Relating to NSPS IIII [326 IAC 12][40 CFR Part 60, Subpart A]

(a) \*\*\*

E.2.2 Standards of Performance for Stationary Compression Ignition Internal Combustion Engines [326 IAC 12][40 CFR Part 60, Subpart IIII]

The Permittee who owns and operates stationary compression ignition (CI) internal combustion engines (ICE) constructed, manufactured, reconstructed, or modified after the relevant dates in 40 CFR Part 60, Subpart IIII, shall comply with the following provisions of 40 CFR Part 60, Subpart IIII, included in this permit. The source is subject to the following portions of Subpart IIII:

(1) \*\*\*

**The diesel emergency generator (LTC-K314) shall meet the following requirements:**

- (1) 40 CFR 60.4200(a)(2)(i) and (a)(4)
- (2) 40 CFR 60.4205(b) and (f)
- (3) 40 CFR 60.4206
- (4) 40 CFR 60.4207(a) and (b)
- (5) 40 CFR 60.4208
- (6) 40 CFR 60.4209(a)
- (7) 40 CFR 60.4211(a), (f), and (g)(3)
- (8) 40 CFR 60.4212
- (9) 40 CFR 60.4214(b)
- (10) 40 CFR 60.4218
- (11) 40 CFR 60.4219
- (12) 40 CFR 60 Subpart IIII Table 5
- (13) 40 CFR 60 Subpart IIII Table 8

\*\*\*

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

**Quarterly Report**

**Source Name:** Eli Lilly and Company, Lilly Technology Center  
**Source Address:** 1555 South Harding Street, Indianapolis, Indiana 46168  
**Part 70 Permit No.:** T097-30149-00072  
**Facility:** Research and Development facility, K302  
**Parameter:** VOC Emissions [326 IAC 8-1-6]  
**Limit:** VOC emissions from the High Bay Flex Space shall not exceed 24.90 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

**QUARTER:** \_\_\_\_\_ **YEAR:** \_\_\_\_\_

| Month | Column 1   | Column 2           | Column 1 + Column 2 |
|-------|------------|--------------------|---------------------|
|       | This Month | Previous 11 Months | 12 Month Total      |
|       |            |                    |                     |

|  |  |  |  |
|--|--|--|--|
|  |  |  |  |
|  |  |  |  |

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.  
 Deviation has been reported on: \_\_\_\_\_

Submitted by: \_\_\_\_\_

Title / Position: \_\_\_\_\_

Signature: \_\_\_\_\_

Date: \_\_\_\_\_

Phone: \_\_\_\_\_

\*\*\*

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

**Quarterly Report**

Source Name: Eli Lilly and Company, Lilly Technology Center  
 Source Address: 1555 South Harding Street, Indianapolis, Indiana 46168  
 Part 70 Permit No.: T097-30149-00072  
 Facility: Research and Development facility, K302  
 Parameter: VOC Emissions [326 IAC 2-2]  
 Limit: VOC emissions from the High Bay Flex Space shall not exceed 35.2 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

QUARTER: \_\_\_\_\_ YEAR: \_\_\_\_\_

| Month | Column 1   | Column 2           | Column 1 + Column 2 |
|-------|------------|--------------------|---------------------|
|       | This Month | Previous 11 Months | 12 Month Total      |
|       |            |                    |                     |
|       |            |                    |                     |
|       |            |                    |                     |

- No deviation occurred in this quarter.

**Deviation/s occurred in this quarter.**  
**Deviation has been reported on:** \_\_\_\_\_

**Submitted by:** \_\_\_\_\_

**Title / Position:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

|                                      |
|--------------------------------------|
| <b>Conclusion and Recommendation</b> |
|--------------------------------------|

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Significant Source Modification No. 097-36427-00072 and Significant Permit Modification No. 097-36429-00072. The staff recommends to the Commissioner that this Part 70 Significant Source Modification be approved.

|                     |
|---------------------|
| <b>IDEM Contact</b> |
|---------------------|

- (a) Questions regarding this proposed permit can be directed to Deena Patton at the Indiana Department Environmental Management, Office of Air Quality, Permits Branch, 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251 or by telephone at (317) 234-5400 or toll free at 1-800-451-6027 extension 4-5400.
- (b) A copy of the findings is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>
- (c) For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Permit Guide on the Internet at: <http://www.in.gov/idem/5881.htm>; and the Citizens' Guide to IDEM on the Internet at: <http://www.in.gov/idem/6900.htm>.

**Appendix A: Emissions Calculations  
Potential to Emit Summary**

**Company Name:** Eli Lilly and Company, Lilly Technology Center  
**Source Address:** 1555 South Harding Street, Indianapolis, IN 46168  
**Significant Source Modification:** 097-36427-00072  
**Significant Permit Modification:** 097-36429-00072  
**Reviewer:** Deena Patton

| Uncontrolled Potential to Emit (tons/yr) |             |             |             |             |             |             |              |               |                  |           |
|--|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|------------------|-----------|
| Emission Units                           | PM          | PM10        | PM2.5       | SO2         | Nox         | CO          | VOC          | HAPs          | Worst Single HAP |           |
| Laboratories                             | 0           | 0           | 0           | 0           | 0           | 0           | 4.21         | >25           | >10              | NA        |
| High Bay Flex Space                      | 6.11        | 6.11        | 6.11        | 0           | 0           | 0           | 45.84        | >25           | >10              | NA        |
| Emergency Generator                      | 0.13        | 0.08        | 0.08        | 0.08        | 4.53        | 1.04        | 0.13         | 2.08E-03      | 1.03E-03         | Benzene   |
| <b>Total</b>                             | <b>6.24</b> | <b>6.18</b> | <b>6.18</b> | <b>0.08</b> | <b>4.53</b> | <b>1.04</b> | <b>50.19</b> | <b>&gt;25</b> | <b>&gt;10</b>    | <b>NA</b> |

| Limited Potential to Emit (tons/yr) |             |             |             |             |             |             |              |               |                  |           |
|-------------------------------------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|---------------|------------------|-----------|
| Emission Units                      | PM          | PM10        | PM2.5       | SO2         | Nox         | CO          | VOC          | HAPs          | Worst Single HAP |           |
| Laboratories                        | 0           | 0           | 0           | 0           | 0           | 0           | 4.21         | >25           | >10              | NA        |
| High Bay Flex Space                 | 6.11        | 6.11        | 6.11        | 0           | 0           | 0           | 24.90        | >25           | >10              | NA        |
| Emergency Generator                 | 0.13        | 0.08        | 0.08        | 0.08        | 4.53        | 1.04        | 0.13         | 2.08E-03      | 1.03E-03         | Benzene   |
| <b>Total</b>                        | <b>6.24</b> | <b>6.18</b> | <b>6.18</b> | <b>0.08</b> | <b>4.53</b> | <b>1.04</b> | <b>29.24</b> | <b>&gt;25</b> | <b>&gt;10</b>    | <b>NA</b> |

**Appendix A: Emissions Calculations**  
**Potential to Emit VOC from the Laboratories**

**Company Name:** Eli Lilly and Company, Lilly Technology Center  
**Source Address:** 1555 South Harding Street, Indianapolis, IN 46168  
**Significant Source Modification:** 097-36427-00072  
**Significant Permit Modification:** 097-36429-00072  
**Reviewer:** Deena Patton

| Density (lb/gal) | Max. Total Hazardous Waste Generated (HW <sub>T</sub> ) (gal/yr) | Maximum Volume Fraction Organic Content of Hazardous Waste (%) | Organic Liquid Used (OL <sub>T</sub> ) (lbs/yr) | Organic Liquid Evaporated (OL <sub>E</sub> ) (lbs/yr) | Total Organic Waste (OW <sub>T</sub> ) (lbs/yr) | Organic Liquid Used (OLT) (tons/yr) | Organic Liquid Evaporated (OLE) (tons/yr) | Total Organic Waste (OWT) (tons/yr) |
|------------------|--|--|---|---|---|-------------------------------------|---|-------------------------------------|
| 8                | 47273  | 13.85%   | 60799.17  | <b>8420.68</b>  | 52378.484                                       | 30.40                               | <b>4.21</b>                               | 26.19                               |

**Methodology**

Organic Liquid Used (OLT) (lbs/yr) = Total Organic Waste (OWT) (lbs/yr) / (1 - Worst Case Estimate for Evaporation (%))

Organic Liquid Evaporated (OLE) (lbs/yr) = Organic Liquid Used (OLT) (lbs/yr) \* Worst Case Estimate for Evaporation (%)

Total Organic Waste (OWT) (lbs/yr) = Max. Total Hazardous Waste Generated (HWT) (gal/yr) \* Maximum Volume Fraction Organic Content of Hazardous Waste (%) \* Density (lb/gal)

Organic Liquid Used (OLT) (tons/yr) = Organic Liquid Used (OLT) (lbs/yr) / 2000 lbs

Organic Liquid Evaporated (OLE) (tons/yr) = Organic Liquid Evaporated (OLE) (lbs/yr) / 2000 lbs

Total Organic Waste (OWT) (tons/yr) = Total Organic Waste (OWT) (lbs/yr) / 2000 lbs

**Appendix A: Emissions Calculations**  
**Potential to Emit Particulate and VOC from the High Bay Flex Space**

**Company Name:** Eli Lilly and Company, Lilly Technology Center  
**Source Address:** 1555 South Harding Street, Indianapolis, IN 46168  
**Significant Source Modification:** 097-36427-00072  
**Significant Permit Modification:** 097-36429-00072  
**Reviewer:** Deena Patton

Batch Process Emissions

| Worst Case VOC Emission Rate (kg/hr) | Worst Case Batch Drying time (hrs/day) | Uncontrolled PTE VOC (lbs/yr) | Uncontrolled PTE VOC (tons/yr) | Particulate filter collection PM Control Efficiency (%) | Worst Case (highest year) Particulate, Collected on HEPA filter (lbs/hr) | Uncontrolled Potential to Emit PM/PM10/PM2.5, (lbs/yr) | Uncontrolled Potential to Emit PM/PM10/PM2.5, (tons/yr) | Controlled Potential to Emit PM/PM10/PM2.5 considering, (lbs/yr) | Controlled Potential to Emit PM/PM10/PM2.5, (tons/yr) |
|--------------------------------------|--|-------------------------------|--------------------------------|---|--|--|---|--|---|
| 8                                    | 12                                     | 77088                         | <b>38.544</b>                  | 99.9%   | 1.3925   | 12210.51   | <b>6.11</b>   | 12.21  | <b>0.0061</b>   |

Methodology

Uncontrolled PTE VOC (lbs/yr) = Worst Case VOC Emission Rate (kg/hr) \* 2.2 lbs/kg \* Worst Case Batch Drying time (hrs/day) \* 365 days/year

Uncontrolled PTE VOC (tons/yr) = Uncontrolled PTE VOC (lbs/yr) / 2000 lbs

Uncontrolled Potential to Emit PM/PM10/PM2.5, (lbs/yr) = Worst Case Particulated Collected (lbs/hr) \* 8760 hours

Uncontrolled Potential to Emit PM/PM10/PM2.5, (tons/yr) = Uncontrolled Potential to Emit PM/PM10/PM2.5, (lbs/yr) / 2000 lbs

Controlled Potential to Emit PM/PM10/PM2.5, (lbs/yr) = Uncontrolled Potential to Emit PM/PM10/PM2.5, (lbs/yr) \* (1- filter collection PM Control Efficiency (%))

Controlled Potential to Emit PM/PM10/PM2.5, filter (tons/yr) = Controlled Potential to Emit PM/PM10/PM2.5 considering, (lbs/yr) / 2000 lbs

Cleaning Activities Emissions

| Max. Solvent Used (gal/day) | Density (lb/gal) | Uncontrolled PTE VOC (lbs/yr) | Uncontrolled PTE VOC (tons/yr) |
|-----------------------------|------------------|-------------------------------|--------------------------------|
| 5                           | 8                | 14600                         | 7.3                            |

Methodology

Uncontrolled PTE VOC (lbs/yr) = Max. Solvent Used (gal/day) \* Density (lb/gal) \* 365 days/yr

Uncontrolled PTE VOC (tons/yr) = Uncontrolled PTE VOC (lbs/yr) / 2000 lbs

**Appendix A: Emissions Calculations  
Diesel Generator**

**Company Name:** Eli Lilly and Company, Lilly Technology Center  
**Source Address:** 1555 South Harding Street, Indianapolis, IN 46168  
**Significant Source Modification:** 097-36427-00072  
**Significant Permit Modification:** 097-36429-00072  
**Reviewer:** Deena Patton

|  |         |                            |
|--|---------|----------------------------|
| Output Horsepower Rating (hp)            | 755     |                            |
| Maximum Hours Operated per Year          | 500     | Emergency Backup Generator |
| Potential Throughput (hp-hr/yr)          | 377,500 |                            |
| Sulfur Content (S) of Fuel (% by weight) | 0.0500  | 15 ppm                     |

|                               | Pollutant |          |               |                       |                         |          |          |
|-------------------------------|-----------|----------|---------------|-----------------------|-------------------------|----------|----------|
|                               | PM*       | PM10*    | direct PM2.5* | SO2                   | NOx                     | VOC      | CO       |
| Emission Factor in lb/hp-hr   | 7.00E-04  | 4.01E-04 | 4.01E-04      | 4.05E-04<br>(.00809S) | 2.40E-02<br>**see below | 7.05E-04 | 5.50E-03 |
| Potential Emission in tons/yr | 0.13      | 0.08     | 0.08          | 0.08                  | 4.53                    | 0.13     | 1.04     |

\*PM10 emission factor in lb/hp-hr was calculated using the emission factor in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

\*\*NOx emission factor: uncontrolled = 0.024 lb/hp-hr, controlled by ignition timing retard = 0.013 lb/hp-hr

**Hazardous Air Pollutants (HAPs)**

|                                 | Pollutant |          |          |              |              |          |                   |
|---------------------------------|-----------|----------|----------|--------------|--------------|----------|-------------------|
|                                 | Benzene   | Toluene  | Xylene   | Formaldehyde | Acetaldehyde | Acrolein | Total PAH HAPs*** |
| Emission Factor in lb/hp-hr**** | 5.43E-06  | 1.97E-06 | 1.35E-06 | 5.52E-07     | 1.76E-07     | 5.52E-08 | 1.48E-06          |
| Potential Emission in tons/yr   | 1.03E-03  | 3.71E-04 | 2.55E-04 | 1.04E-04     | 3.33E-05     | 1.04E-05 | 2.80E-04          |

\*\*\*PAH = Polyaromatic Hydrocarbon (PAHs are considered HAPs, since they are considered Polycyclic Organic Matter)

\*\*\*\*Emission factors in lb/hp-hr were calculated using emission factors in lb/MMBtu and a brake specific fuel consumption of 7,000 Btu / hp-hr (AP-42 Table 3.3-1).

|   |                 |
|---|-----------------|
| <b>Potential Emission of Total HAPs (tons/yr)</b> | <b>2.08E-03</b> |
|---|-----------------|

**Green House Gas Emissions (GHG)**

|                               | Pollutant |          |          |
|-------------------------------|-----------|----------|----------|
|                               | CO2       | CH4      | N2O      |
| Emission Factor in lb/hp-hr   | 1.16E+00  | 6.35E-05 | 9.30E-06 |
| Potential Emission in tons/yr | 2.19E+02  | 1.20E-02 | 1.76E-03 |

|  |                 |
|--|-----------------|
| <b>Summed Potential Emissions in tons/yr</b> | <b>2.19E+02</b> |
| <b>CO2e Total in tons/yr</b>                 | <b>2.20E+02</b> |

**Methodology**

Emission Factors are from AP 42 (Supplement B 10/96) Tables 3.4-1 , 3.4-2, 3.4-3, and 3.4-4.

CH4 and N2O Emission Factor from 40 CFR 98 Subpart C Table C-2.

Greenhouse Warming Potentials (GWP) from Table A-1 of 40 CFR Part 98 Subpart A.

Potential Throughput (hp-hr/yr) = [Output Horsepower Rating (hp)] \* [Maximum Hours Operated per Year]

Potential Emission (tons/yr) = [Potential Throughput (hp-hr/yr)] \* [Emission Factor (lb/hp-hr)] / [2,000 lb/ton]

CO2e (tons/yr) = CO2 Potential Emission ton/yr x CO2 GWP (1) + CH4 Potential Emission ton/yr x CH4 GWP (21) + N2O

Potential Emission ton/yr x N2O GWP (310).



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

100 N. Senate Avenue • Indianapolis, IN 46204  
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**Michael R. Pence**  
Governor

**Carol S. Comer**  
Commissioner

February 9, 2016

Ms. Catherine Ehlhardt  
Eli Lilly and Company, Lilly Technology Center  
Lilly Technology Center  
Indianapolis, IN 46285

Re: Public Notice  
Eli Lilly and Company, Lilly Technology Center  
Permit Level: Title V - Significant Source Modification & Title V - Significant Permit Modification  
Permit Number: 097 - 36427 - 00072 & 097 - 36429 - 00072

Dear Ms. Ehlhardt:

Enclosed is a copy of your draft Title V - Significant Source Modification & Title V - Significant Permit Modification, Technical Support Document, emission calculations, and the Public Notice which will be printed in your local newspaper.

The Office of Air Quality (OAQ) has prepared two versions of the Public Notice Document. The abbreviated version will be published in the newspaper, and the more detailed version will be made available on the IDEM's website and provided to interested parties. Both versions are included for your reference. The OAQ has requested that the Indianapolis Star in Indianapolis, IN publish the abbreviated version of the public notice no later than February 12, 2016. You will not be responsible for collecting any comments, nor are you responsible for having the notice published in the newspaper.

OAQ has submitted the draft permit package to the Indianapolis Central Library Branch, 40 East St. Clair Street in Indianapolis IN. As a reminder, you are obligated by 326 IAC 2-1.1-6(c) to place a copy of the complete permit application at this library no later than ten (10) days after submittal of the application or additional information to our department. We highly recommend that even if you have already placed these materials at the library, that you confirm with the library that these materials are available for review and request that the library keep the materials available for review during the entire permitting process.

Please review the enclosed documents carefully. This is your opportunity to comment on the draft permit and notify the OAQ of any corrections that are needed before the final decision. Questions or comments about the enclosed documents should be directed to Deena Patton, Indiana Department of Environmental Management, Office of Air Quality, 100 N. Senate Avenue, Indianapolis, Indiana, 46204 or call (800) 451-6027, and ask for extension 4-5400 or dial (317) 234-5400.

Sincerely,  
*Len Pogost*

Len Pogost  
Permits Branch  
Office of Air Quality

Enclosures  
PN Applicant Cover letter 8/27/2015



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Governor

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Commissioner

## **ATTENTION: PUBLIC NOTICES, LEGAL ADVERTISING**

February 9, 2016

Indianapolis Star  
Attn: Classifieds  
130 S. Meridian St.  
Indianapolis, Indiana 46225

Enclosed, please find one Indiana Department of Environmental Management Notice of Public Comment for Eli Lilly and Company, Lilly Technology Center, Marion County, Indiana.

Since our agency must comply with requirements which call for a Notice of Public Comment, we request that you print this notice one time, no later than February 12, 2016.

Please send a notarized form, clippings showing the date of publication, and the billing to the Indiana Department of Environmental Management, Accounting, Room N1345, 100 North Senate Avenue, Indianapolis, Indiana, 46204.

**To ensure proper payment, please reference account # 100174737.**

We are required by the Auditor's Office to request that you place the Federal ID Number on all claims. If you have any conflicts, questions, or problems with the publishing of this notice or if you do not receive complete public notice information for this notice, please call Len Pogost at 800-451-6027 and ask for extension 3-2803 or dial 317-233-2803.

Sincerely,

*Len Pogost*

Len Pogost  
Permit Branch  
Office of Air Quality

Permit Level: Title V - Significant Source Modification & Title V - Significant Permit Modification  
Permit Number: 097 - 36427 - 00072 & 097 - 36429 - 00072

Enclosure  
PN Newspaper.dot 6/13/2013



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

*We Protect Hoosiers and Our Environment.*

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**Michael R. Pence**  
Governor

**Carol S. Comer**  
Commissioner

February 9, 2016

To: Indianapolis Central Library Branch 40 East St. Clair Street Indianapolis IN

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

Subject: **Important Information to Display Regarding a Public Notice for an Air Permit**

**Applicant Name: Eli Lilly and Company, Lilly Technology Center**  
**Permit Number: 097 - 36427 - 00072 & 097 - 36429 - 00072**

Enclosed is a copy of important information to make available to the public. This proposed project is regarding a source that may have the potential to significantly impact air quality. Librarians are encouraged to educate the public to make them aware of the availability of this information. The following information is enclosed for public reference at your library:

- Notice of a 30-day Period for Public Comment
- Request to publish the Notice of 30-day Period for Public Comment
- Draft Permit and Technical Support Document

You will not be responsible for collecting any comments from the citizens. Please refer all questions and request for the copies of any pertinent information to the person named below.

Members of your community could be very concerned in how these projects might affect them and their families. **Please make this information readily available until you receive a copy of the final package.**

If you have any questions concerning this public review process, please contact Joanne Smiddie-Brush, OAQ Permits Administration Section at 1-800-451-6027, extension 3-0185. Questions pertaining to the permit itself should be directed to the contact listed on the notice.

Enclosures  
PN Library.dot 8/27/2015



# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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**Michael R. Pence**  
Governor

**Carol S. Comer**  
Commissioner

## Notice of Public Comment

**February 9, 2016**

**Eli Lilly and Company, Lilly Technology Center**

**097 - 36427 - 00072 & 097 - 36429 - 00072**

Dear Concerned Citizen(s):

You have been identified as someone who could potentially be affected by this proposed air permit. The Indiana Department of Environmental Management, in our ongoing efforts to better communicate with concerned citizens, invites your comment on the draft permit.

Enclosed is a Notice of Public Comment, which has been placed in the Legal Advertising section of your local newspaper. The application and supporting documentation for this proposed permit have been placed at the library indicated in the Notice. These documents more fully describe the project, the applicable air pollution control requirements and how the applicant will comply with these requirements.

If you would like to comment on this draft permit, please contact the person named in the enclosed Public Notice. Thank you for your interest in the Indiana's Air Permitting Program.

**Please Note:** *If you feel you have received this Notice in error, or would like to be removed from the Air Permits mailing list, please contact Patricia Pear with the Air Permits Administration Section at 1-800-451-6027, ext. 3-6875 or via e-mail at [PPEAR@IDEM.IN.GOV](mailto:PPEAR@IDEM.IN.GOV). If you have recently moved and this Notice has been forwarded to you, please notify us of your new address and if you wish to remain on the mailing list. Mail that is returned to IDEM by the Post Office with a forwarding address in a different county will be removed from our list unless otherwise requested.*

Enclosure  
PN AAA Cover.dot 8/27/2015

# Mail Code 61-53

|                            |   |   |  |  |
|----------------------------|---|---|--|--|
| IDEM Staff                 | LPOGOST 2/9/2016<br>Eli Lilly & Co - Lilly Tech Ctr 097 - 36427 - 00072 & 097 - 36429 - 00072 draft |   | AFFIX STAMP<br>HERE IF<br>USED AS<br>CERTIFICATE<br>OF MAILING |  |
| Name and address of Sender |                    | Indiana Department of Environmental Management<br>Office of Air Quality – Permits Branch<br>100 N. Senate<br>Indianapolis, IN 46204 | Type of Mail:<br><br><b>CERTIFICATE OF MAILING ONLY</b>        |  |

| Line | Article Number | Name, Address, Street and Post Office Address  | Postage | Handling 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    |                | Catherine Ehhardt Eli Lilly & Co - Lilly Tech Ctr Lilly Technology Center Indianapolis IN 46285 (Source CAATS)             |         |                  |                            |               |                 |          |          |          |                |
| 2    |                | W. Darin Moody Vice President Eli Lilly & Co - Lilly Tech Ctr Lilly Corporate Center Indianapolis IN 46285 (RO CAATS)      |         |                  |                            |               |                 |          |          |          |                |
| 3    |                | Marion County Health Department 3838 N, Rural St Indianapolis IN 46205-2930 (Health Department)                            |         |                  |                            |               |                 |          |          |          |                |
| 4    |                | Indianapolis Central Library Branch 40 East St. Clair Street Indianapolis IN 46204 (Library)                               |         |                  |                            |               |                 |          |          |          |                |
| 5    |                | Indianapolis City Council 200 East Washington Street, Room E Indianapolis IN 46204 (Local Official)                        |         |                  |                            |               |                 |          |          |          |                |
| 6    |                | Marion County Commissioners 200 E. Washington St. City County Bldg., Suite 801 Indianapolis IN 46204 (Local Official)      |         |                  |                            |               |                 |          |          |          |                |
| 7    |                | Matt Mosier Office of Sustainability City-County Bldg/200 E Washington St. Rm# 2460 Indianapolis IN 46204 (Local Official) |         |                  |                            |               |                 |          |          |          |                |
| 8    |                | Johan & Susan Van Den Heuvel 4409 Blue Creek Drive Carmel IN 46033 (Affected Party)  |         |                  |                            |               |                 |          |          |          |                |
| 9    |                | Indiana Members Credit Union 5103 Madison Avenue Indianapolis IN 46227 (Affected Party)                                    |         |                  |                            |               |                 |          |          |          |                |
| 10   |                | Don Robin Eli Lilly and Company Lilly Technology Center Indianapolis IN 46285 (Source – addl contact)                      |         |                  |                            |               |                 |          |          |          |                |
| 11   |                |  |         |                  |                            |               |                 |          |          |          |                |
| 12   |                |  |         |                  |                            |               |                 |          |          |          |                |
| 13   |                |  |         |                  |                            |               |                 |          |          |          |                |
| 14   |                |  |         |                  |                            |               |                 |          |          |          |                |
| 15   |                |  |         |                  |                            |               |                 |          |          |          |                |

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