



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

We Protect Hoosiers and Our Environment.

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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

To: Interested Parties

Date: April 1, 2022

From: Jenny Acker, Chief
Permits Branch
Office of Air Quality

Source Name: Safety-Kleen Systems, Inc.

Permit Level: Title V – Minor Source Modification

Permit Number: 089-45246-00301

Source Location: 601 Riley Road East Chicago, IN 46312

Type of Action Taken: Modification at an existing source

Notice of Decision: Approval - Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the matter referenced above.

The final decision is available on the IDEM website at: <http://www.in.gov/apps/idem/caats/>
To view the document, choose Search Option **by Permit Number**, then enter permit 45246. This search will also provide the application received date, **draft permit** public notice starts and end date, and **final** permit issuance date.

The final decision is also available via IDEM's Virtual File Cabinet (VFC). Please go to: <https://www.in.gov/idem> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria.

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If you would like to request a paper copy of the permit document, please contact IDEM's Office of Records Management:

IDEM - Office of Records Management
Indiana Government Center North, Room 1207
100 North Senate Avenue
Indianapolis, IN 46204
Phone: (317) 232-8667
Fax: (317) 233-6647
Email: IDEMFILEROOM@idem.in.gov

Pursuant to IC 13-17-3-4 and 326 IAC 2, this approval is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-7-3 require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room N103, Indianapolis, IN 46204, **within eighteen (18) calendar days of the mailing of this notice**. The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

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

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

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

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



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Eric J. Holcomb
Governor

Brian C. Rockensuess
Commissioner

April 1, 2022

Mr. Evan Nikrin
Safety-Kleen Systems, Inc.
601 Riley Road
East Chicago, Indiana 46312

Re: 089-45246-00301
Minor Source Modification

Dear Mr. Nikrin:

Safety-Kleen Systems, Inc. was issued Part 70 Operating Permit Renewal No. T089-40580-00301 on December 12, 2019, for a stationary oil re-refinery located at 601 Riley Road, East Chicago, Indiana 46312. An application to modify the source was received on March 21, 2022. Pursuant to the provisions of 326 IAC 2-7-10.5, a Minor 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:

- One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack CB-801

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.

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 and Operate

6. Pursuant to 326 IAC 2-7-10.5(f)(3) and 326 IAC 2-7-11, this Minor Source Modification authorizes both the construction and operation of the new emission unit(s) when the Minor Source Modification has been issued.

Operating conditions shall be incorporated into the Part 70 Operating Permit as an Administrative Amendment in accordance with 326 IAC 2-7-10.5(m)(1) and 326 IAC 2-7-11 (Administrative Amendment).

A copy of the permit is available on the Internet at: <http://www.in.gov/ai/appfiles/idem-caats/>. A copy of the application and permit is also available via IDEM's Virtual File Cabinet (VFC). To access VFC, please go to: <https://www.in.gov/idem/> and enter VFC in the search box. You will then have the option to search for permit documents using a variety of criteria. For additional information about air permits and how the public and interested parties can participate, refer to the IDEM Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

This decision is subject to the Indiana Administrative Orders and Procedures Act - IC 4-21.5-3-5.

If you have any questions regarding this matter, please contact Doug Logan, 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) 234-5328 or (800) 451-6027, and ask for Doug Logan or (317) 234-5328.

Sincerely,



Brian Williams, Section Chief
Permits Branch
Office of Air Quality

Attachments: Minor Source Modification and Technical Support Document

cc: File - Lake County
Lake County Health Department
U.S. EPA, Region 5
Compliance and Enforcement Branch
IDEM Northwest Regional Office



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Commissioner

**Minor Source Modification
to a Part 70 Source**

OFFICE OF AIR QUALITY

**Safety-Kleen Systems, Inc.
601 Riley Road
East Chicago, Indiana 46312**

(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.

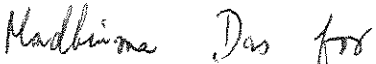
Minor Source Modification No.: 089-45246-00301	
Master Agency Interest ID.: 13652	
Issued by:  Brian Williams, Section Chief Permits Branch, Office of Air Quality	Issuance Date: April 1, 2022

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Attachment B: Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced after July 23, 1984 [326 IAC 12] [40 CFR Part 60, Subpart Kb]

**Attachment C: Standards of Performance for Small Industrial-Commercial-Institutional Steam
Generating Units [326 IAC 12] [40 CFR Part 60, Subpart Dc]**

**Attachment D: National Emission Standards for Hazardous Air Pollutants for Source Category:
Gasoline Dispensing Facilities [40 CFR Part 63, Subpart CCCCCC]**

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 oil re-refinery.

Source Address:	601 Riley Road, East Chicago, Indiana 46312
General Source Phone Number:	(219) 391-6121
SIC Code:	2992 (Lubricating Oils and Greases)
County Location:	Lake, North Township
Source Location Status:	Nonattainment for 8-hour ozone standard Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD rules Major Source, under Emission Offset Rules Minor Source, Section 112 of the Clean Air Act Not 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) One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack SB-822.

Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.
- (b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.
- (c) Reserved.
- (d) One (1) process heater, fueled by a combination of natural gas, No. 2 fuel oil equivalent, and off-gases, identified as H-201, installed in 1990, with a maximum capacity of 27.3 MMBtu/hr, and exhausting through stack H-201.
- (e) One (1) process heater, fueled by a combination of natural gas and No. 2 fuel oil equivalent, identified as H-301, installed in 1989, with a maximum capacity of 20.0 MMBtu/hr, and exhausting through stack H-301.
- (f) One (1) natural gas-fired process heater, identified as H-302, installed in 1992, with a maximum capacity of 15.1 MMBtu/hr, and exhausting through stack H-302.
- (g) One (1) process heater, fueled by a combination of natural gas, No. 2 fuel oil equivalent, and off-gases, identified as H-401, installed in 1990, with a maximum capacity of 15.3 MMBtu/hr, and exhausting through stack H-401.

- (h) One (1) process heater, fueled by a combination of natural gas and No. 2 fuel oil equivalent, identified as H-402, installed in 1990, with a maximum capacity of 11.7 MMBtu/hr, and exhausting through stack H-402.
- (i) One (1) natural gas-fired process heater, identified as H-404, installed in 1994, with a maximum capacity of 9.0 MMBtu/hr, and exhausting through stack H-404.
- (j) One fractionation tower system, installed in 2002, consisting of:
 - (1) One (1) process heater, fueled by a combination of natural gas and off-gases, identified as H-406, with a maximum capacity of 20.0 MMBtu/hr, equipped with a low NO_x burner, and exhausting through stack H-406;
 - (2) One (1) vacuum tower;
 - (3) Six (6) air coolers;
 - (4) Two (2) air strippers; and
 - (5) Two (2) vacuum pumps and twenty (20) miscellaneous pumps.
- (k) One (1) storage tank, identified as T-9, installed in 1968, with a maximum capacity of 20,000 gallons.
- (l) Two (2) storage tanks, identified as T-26 and T-27, installed in 1968, with a maximum capacity of 19,110 gallons each.
- (m) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-51, installed in 1993, with a maximum capacity of 4,000,000 gallons, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (n) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-52, installed in 1966, with a maximum capacity of 126,000 gallons.
- (o) Eleven (11) storage tanks, identified as T-101 through T-108, and T-110 through T-112, installed in 1989, with a maximum capacity of 30,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (p) Two (2) storage tanks, identified as T-906 and T-907, installed in 1989, with a maximum capacity of 30,598 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (q) Fourteen (14) storage tanks, identified as T-931, T-932, T-935, T-936, T-941, T-942, T-944, T-945, T-948, T-949, T-951, T-952, T-981 and T-982, installed in 1989, with a maximum capacity of 29,611 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (r) Four (4) storage tanks, identified as T-933, T-934, T-946 and T-947, installed in 1989, with a maximum capacity of 29,617 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).

- (s) One (1) storage tank, identified as T-109, installed in 1989, with a maximum capacity of 20,000 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (t) Two (2) storage tanks, identified as T-120 and T-121, installed in 1989, with a maximum capacity of 15,000 gallons each.
- (u) Four (4) storage tanks, identified as T-651 through T-654, installed in 1992, with a maximum capacity of 30,401 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (v) Four (4) storage tanks, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-901 through T-904, installed in 1989, with a maximum capacity of 640,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (w) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-905, installed in 1989, with a maximum capacity of 120,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (x) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-908, installed in 1989, with a maximum capacity of 170,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (y) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-909, installed in 2013, with a maximum capacity of 3,500,000 gallons, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (z) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-911, installed in 1989, with a maximum capacity of 120,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (aa) Two (2) storage tanks, identified as T-912 and T-913, installed in 1993, with a maximum capacity of 30,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (bb) Three (3) storage tanks, identified as T-914 through T-916, installed in 1993, with a maximum capacity of 31,028 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (cc) Two (2) storage tanks, identified as T-953 and T-954, installed in 1993, with a maximum capacity of 29,611 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (dd) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-937, installed in 1989, with a maximum capacity of 300,000 gallons.
- (ee) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-938, installed in 1989, with a maximum capacity of 170,000 gallons.

- (ff) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-939, installed in 1989, with a maximum capacity of 640,000 gallons, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (gg) One (1) storage tank, identified as T-950, installed in 1989, with a maximum capacity of 9,024 gallons.
- (hh) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-955, installed in 1994, with a maximum capacity of 128,520 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (ii) Two (2) storage tanks, identified as T-961 and T-962, installed in 1994, with a maximum capacity of 30,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (jj) One (1) storage tank, identified as T-917, installed in 1995, with a maximum capacity of 31,208 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (kk) Degreasing operations consisting of the following:
 - (1) One (1) cold cleaner, identified as Maintenance Degreaser;
 - (2) One (1) cold cleaner, identified as Railcar Unloading Area Degreaser;
 - (3) One (1) cold cleaner, identified as Tanker Trailer Unloading Bays 1&2; and
 - (4) One (1) cold cleaner, identified as Tanker Trailer Unloading Bays 3&4.These four (4) degreasers do not use halogenated solvents.
- (ll) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-150, installed in 2009, with a maximum capacity of 4,000,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (mm) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-970, installed in 2009, with a maximum capacity of 2,000,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (nn) Five (5) storage tanks, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-971, T-972, T-973, T-974, and T-975, installed in 2009, each with a maximum capacity of 1,000,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.

A.3 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):

- (a) Fuel dispensing activities as follows:
 - (1) A gasoline fuel transfer dispensing operation handling less than or equal to one

thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons, as follows:

- (A) One (1) gasoline fuel transfer and dispensing operation, constructed in 2006, with an above-ground storage tank with a capacity of 500 gallons and a maximum throughput of less than 2,000 gallons per month.

Under the NESHAP, 40 CFR 63, Subpart CCCCCC, the gasoline dispensing operation is an affected source.

- (2) 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 hundred (3,500) gallons per day or less, as follows:

- (b) The following VOC and HAP storage containers:

- (1) Vessels storing the following:

- Hydraulic oils.
- Lubricating oils.
- Machining oils.
- Machining fluids.

As follows:

Tank ID	Year of Construction	Contents	VP (psia)	Volume (gal)
T-515	2014	Lube oil	0.0007	11,656.41
T-536	2014	Lube oil	0.0007	32,122.69
T-537	2014	Lube oil	0.0007	11,280.39
T-538	2014	Lube oil	0.0007	11,280.39
T-542	2014	Lube oil	0.0007	11,280.39

- (c) Production related activities, including the following:

- (1) Degreasing operations that do not exceed one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6, as follows:

- (A) One (1) cold cleaner degreasing unit that does not use halogenated solvents, identified as Maintenance Degreaser 2, installed before 1990.

- (d) Water based activities, including the following:

- (1) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume, as follows:

- (A) One (1) odor scrubber, controlling odors from the source's wastewater treatment plant.

- (e) Paved and unpaved roads and parking lots with public access.

- (f) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following,

whichever is lower:

- For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
- For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
- For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
- For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
- For nitrogen oxides (NO_x), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
- For PM₁₀ or direct PM_{2.5}, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.

As follows:

- (1) One (1) intermittent use flare, identified as Emergency Flare, used during maintenance and upset conditions on vessels 410 (off gas knock out pot), and V-423 (vacuum separator), constructed in 1996, equipped with two (2) burners, with a nominal heat input capacity of 1.0 MMBtu/hr, a maximum flow rate capacity of 70 dscf/minute, and exhausting to stack FL-801.
- (2) One (1) storage tank, identified as T-983, installed in 2005, with a maximum capacity of 30,000 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (3) Twenty (20) storage tanks, identified as T-513, T-514, T-521, T-522, T-523, T-531, T-532, T-551, T-552, T-553, T-554, T-555, T-556, T-561, T-562, T-563, T-564, T-565, T-571, and T-595, installed in 2011, with a maximum capacity of 30,000 gallons or less, storing liquids with a maximum true vapor pressure that is less than 0.1 mmHg (0.1hPa).
- (4) One (1) storage tank, used for residual oil/asphalt flux, identified as T-976, installed in 2017, with a maximum capacity of 888,300 gallons.
- (5) One (1) railcar loading operation for hydraulic oil, permitted in 2021, with a maximum throughput of 800 gallons of oil per minute.
- (6) One (1) tank truck loading operation, constructed in 1996, with an estimated maximum throughput of 7,500 gallons per hour.
- (7) One (1) barge loading operation, constructed in 1996, with an estimated maximum throughput of 7,500 gallons per hour.
- (8) One (1) rail tank car cleaning operation, constructed in 1996, with an estimated maximum capacity of 32 cars per day.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

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]

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, T089-40580-00301, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, 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]

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]

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)]

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)]

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)]

- (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 5
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.

- (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.

- (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 or Northwest Regional Office 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
Northwest Regional Office phone: (219) 464-0233; fax: (219) 464-0553.

- (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) 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.

- (c) 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.
- (d) 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.
- (e) 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).
- (f) 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)]
- (g) 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]

- (a) All terms and conditions of permits established prior to T089-40580-00301 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.

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

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least 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]

- (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)]

- (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(42). 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]

- (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)]

- (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]

- (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 5
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)(1) and (c)(1). 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(37)) 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.

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 317-233-8590 (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 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 twenty percent (20%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.2 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.3 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.4 Fugitive Dust Emissions [326 IAC 6-4]

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

C.5 Fugitive Particulate Matter Emissions [326 IAC 6.8-10-3]

Pursuant to 326 IAC 6.8-10-3 (formerly 326 IAC 6-1-11.1) (Lake County Fugitive Particulate Matter Control Requirements), the particulate matter emissions from source wide activities shall meet the following requirements:

- (a) The average instantaneous opacity of fugitive particulate emissions from a paved road shall not exceed ten percent (10%).
- (b) The average instantaneous opacity of fugitive particulate emissions from an unpaved road shall not exceed ten percent (10%).
- (c) The opacity of fugitive particulate emissions from exposed areas shall not exceed ten percent (10%) on a six (6) minute average.
- (d) The opacity of fugitive particulate emissions from continuous transfer of material onto and out of storage piles shall not exceed ten percent (10%) on a three (3) minute average.
- (e) The opacity of fugitive particulate emissions from storage piles shall not exceed ten percent (10%) on a six (6) minute average.

- (f) There shall be a zero (0) percent frequency of visible emission observations of a material during the inplant transportation of material by truck or rail at any time.
- (g) The opacity of fugitive particulate emissions from the inplant transportation of material by front end loaders and skip hoists shall not exceed ten percent (10%).
- (h) Material processing facilities shall include the following:
 - (1) There shall be a zero (0) percent frequency of visible emission observations from a building enclosing all or part of the material processing equipment, except from a vent in the building.
 - (2) The PM₁₀ emissions from building vents shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
 - (3) The PM₁₀ stack emissions from a material processing facility shall not exceed twenty-two thousandths (0.022) grains per dry standard cubic foot and ten percent (10%) opacity.
 - (4) The opacity of fugitive particulate emissions from the material processing facilities, except a crusher at which a capture system is not used, shall not exceed ten percent (10%) opacity.
 - (5) The opacity of fugitive particulate emissions from a crusher at which a capture system is not used shall not exceed fifteen percent (15%).
- (i) The opacity of particulate emissions from dust handling equipment shall not exceed ten percent (10%).
- (j) Material transfer limits shall be as follows:
 - (1) The average instantaneous opacity of fugitive particulate emissions from batch transfer shall not exceed ten percent (10%).
 - (2) Where adequate wetting of the material for fugitive particulate emissions control is prohibitive to further processing or reuse of the material, the opacity shall not exceed ten percent (10%), three (3) minute average.
 - (3) Slag and kish handling activities at integrated iron and steel plants shall comply with the following particulate emissions limits:
 - (A) The opacity of fugitive particulate emissions from transfer from pots and trucks into pits shall not exceed twenty percent (20%) on a six (6) minute average.
 - (B) The opacity of fugitive particulate emissions from transfer from pits into front end loaders and from transfer from front end loaders into trucks shall comply with the fugitive particulate emission limits in 326 IAC 6.8-10-3(9).
- (k) Any facility or operation not specified in 326 IAC 6.8-10-3 shall meet a twenty percent (20%), three (3) minute average opacity standard.

The Permittee shall achieve these limits by controlling fugitive particulate matter emissions according to the attached Fugitive Dust Control Plan.

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted. The provisions of 326 IAC 1-7-1(3), 326 IAC 1-7-2, 326 IAC 1-7-3(c) and (d), 326 IAC 1-7-4, and 326 IAC 1-7-5(a), (b), and (d) are not federally enforceable.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

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

All required notifications 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

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification 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) Procedures for Asbestos Emission Control
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control

requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.

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

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

C.8 Performance Testing [326 IAC 3-6]

- (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.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U. S. EPA.

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

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (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
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

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.11 Maintenance of Continuous Emission Monitoring Equipment [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

- (a) The Permittee shall install, calibrate, maintain, and operate all necessary continuous emission monitoring systems (CEMS) and related equipment, as required in Sections D or E of this permit.
- (b) All continuous emission monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (c) In the event that a breakdown of a continuous emission monitoring system occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem.
- (d) Whenever a continuous emission monitoring system is down for more than twenty-four (24) hours, the Permittee shall follow good air pollution control practices.
- (e) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5 or any applicable requirements.

C.12 Maintenance of Emission Monitoring Equipment [326 IAC 3-5] [326 IAC 2-7-5(3)(A)(iii)]

- (a) In the event that a breakdown of the emission monitoring equipment occurs, a record shall be made of the times and reasons of the breakdown and efforts made to correct the problem. To the extent practicable, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less frequent than required in Section D

of this permit until such time as the monitoring equipment is back in operation. In the case of continuous monitoring, supplemental or intermittent monitoring of the parameter should be implemented at intervals no less often than once every twelve (12) hours until such time as the continuous monitor is back in operation.

- (b) The Permittee shall install, calibrate, quality assure, maintain, and operate all necessary monitors and related equipment.

C.13 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

- (a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale. 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.

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

C.14 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

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.16 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

Upon detecting an excursion where a response step is required by the D Section or an exceedance of a limitation in this permit:

- (a) The Permittee shall take reasonable response steps to 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 excess emissions.
- (b) The response shall include minimizing the period of any startup, shutdown or malfunction. The response may include, but is not limited to, the following:
 - (1) initial inspection and evaluation;
 - (2) recording that operations returned or are returning 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 normal or usual manner of operation.
- (c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance 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.
- (e) The Permittee shall record the reasonable response steps taken.

C.17 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (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.18 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]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(a)(1), the Permittee shall submit by July 1 of each year 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(33) ("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.19 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(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) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1(oo) 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.20 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11] [326 IAC 2-2] [326 IAC 2-3]

- (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) 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.
- (e) If the Permittee is required to comply with the recordkeeping provisions of (d) in Section C - 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- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- 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 - General Record Keeping Requirements (c)(1)(C)(ii).
- (f) The report for 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 - 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

- (g) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C- 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.21 Compliance with 40 CFR 82 and 326 IAC 22-1

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) One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NO_x burners, and exhausting to stack SB-822.

Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.

- (b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.

- (d) One (1) process heater, fueled by a combination of natural gas, No. 2 fuel oil equivalent, and off-gases, identified as H-201, installed in 1990, with a maximum capacity of 27.3 MMBtu/hr, and exhausting through stack H-201.

- (e) One (1) process heater, fueled by a combination of natural gas and No. 2 fuel oil equivalent, identified as H-301, installed in 1989, with a maximum capacity of 20.0 MMBtu/hr, and exhausting through stack H-301.

- (f) One (1) natural gas-fired process heater, identified as H-302, installed in 1992, with a maximum capacity of 15.1 MMBtu/hr, and exhausting through stack H-302.

- (g) One (1) process heater, fueled by a combination of natural gas, No. 2 fuel oil equivalent, and off-gases, identified as H-401, installed in 1990, with a maximum capacity of 15.3 MMBtu/hr, and exhausting through stack H-401.

- (h) One (1) process heater, fueled by a combination of natural gas and No. 2 fuel oil equivalent, identified as H-402, installed in 1990, with a maximum capacity of 11.7 MMBtu/hr, and exhausting through stack H-402.

- (i) One (1) natural gas-fired process heater, identified as H-404, installed in 1994, with a maximum capacity of 9.0 MMBtu/hr, and exhausting through stack H-404.

- (j) One fractionation tower system installed in 2002, consisting of:

- (1) One (1) process heater, fueled by a combination of natural gas and off-gases, identified as H-406, installed in 2002, with a maximum capacity of 20.0 MMBtu/hr, equipped with a low NO_x burner, and exhausting through stack H-406.
- (2) One (1) vacuum tower.
- (3) Six (6) air coolers.
- (4) Two (2) air strippers.
- (5) Two (2) vacuum pumps and twenty (20) miscellaneous pumps.

Insignificant Activities

- (f) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels

specified in 3-26 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:

- For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
- For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
- For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
- For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
- For nitrogen oxides (NO_x), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
- For PM₁₀ or direct PM_{2.5}, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.

As follows:

- (1) One (1) intermittent use flare, identified as Emergency Flare, used during maintenance and upset conditions on vessels 410 (off gas knock out pot), and V-423 (vacuum separator), constructed in 1996, equipped with two (2) burners, with a nominal heat input capacity of 1.0 MMBtu/hr, a maximum flow rate capacity of 70 dscf/minute, and exhausting to stack FL-801.

(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 Sulfur Dioxide (SO₂) Emission Limitations [326 IAC 7-4.1-16]

- (a) Pursuant to 326 IAC 7-4.1-16(1), Boiler SB-820, and Process Heaters H-302 and H-404 shall use natural gas only.
- (b) Pursuant to 326 IAC 7-4.1-16(2), the following requirements shall apply:
 - (1) Process Heater H-201, with a capacity (rating) of twenty-seven and three-tenths (27.3) MMBtu per hour, shall use a combination of natural gas, No. 2 fuel oil equivalent, and off-gases;
 - (2) Process Heater H-301, with a capacity of twenty and zero-tenths (20.0) MMBtu per hour, shall use a combination of natural gas and No. 2 fuel oil equivalent; and
 - (3) The combined sulfur dioxide emissions from these two (2) process heaters (H-201 and H-301) shall not exceed fourteen (14) pounds per hour and sixty (60) tons per twelve (12) consecutive month period. Compliance with the hourly limit shall be determined at the end of each day. Compliance with the twelve consecutive month limit shall be determined at the end of each month.
- (c) Pursuant to 326 IAC 7-4.1-16(3), the following requirements shall apply:
 - (1) Process Heater H-401, with a capacity of fifteen and three-tenths (15.3) MMBtu per hour, shall use a combination of natural gas, No. 2 fuel oil equivalent, and off-gases;
 - (2) Process Heater H-402, with a capacity of eleven and seven-tenths (11.7) MMBtu per hour, shall use a combination of natural gas and No. 2 fuel oil equivalent; and

- (3) The combined sulfur dioxide emissions from these two (2) process heaters (H-401 and H-402) shall not exceed ten and eight-tenths (10.8) pounds per hour and forty-seven and three-tenths (47.3) tons per twelve (12-) consecutive month period. Compliance with the hourly limit shall be determined at the end of each day. Compliance with the twelve consecutive month limit shall be determined at the end of each month.
- (d) Pursuant to 326 IAC 7-4.1-16(4), Process Heater H-406, with a capacity of twenty (20.0) MMBtu per hour, shall use a combination of natural gas and off-gases. The sulfur dioxide emissions shall not exceed eight (8) pounds per hour, with compliance determined at the end of each day.
- (e) To demonstrate compliance with the SO₂ emission limits in paragraphs (b)(3), (c)(3), and (d) of this condition, the SO₂ emission rates shall be calculated using the following emission factors:

Fuel Type	Emission Factor for Process Heaters
Natural Gas	0.6 pounds per million cubic feet of natural gas
Off-gases	950 pounds per million cubic feet of off-gas times the sulfur content (%)
No. 2 Fuel Oil Equivalent	142 pounds per kilo-gallon of No. 2 fuel oil equivalent times the sulfur content (%)

- (f) After the issuance date of Significant Permit Modification No. 089-44799-00301, Process Heater H-406 shall not burn off-gases from Vessel V-307 or Vessel V-410.

D.1.2 Reserved

D.1.3 Particulate Emissions [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions from the following units shall be limited to the PM emission limit (Pt) in pounds per MMBtu heat input as specified in the following table:

Emission Unit	Unit ID	Pt (lb/MMBtu)
Heater	H-301	0.50
Heater	H-201	0.29
Heater	H-401	0.29
Heater	H-402	0.29
Boiler	SB-820	0.28
Heater	H-302	0.27
Heater	H-404	0.27
Heater	H-406	0.26
Boiler	SB-822	0.27

D.1.4 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and their control devices. 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 2-7-5(1)]

D.1.5 Sulfur Dioxide Emissions and Sulfur Content [326 IAC 7-4.1-16(5)]

- (a) Pursuant to 326 IAC 7-4.1-16(5)(A), the compliance status with Condition D.1.1, shall be determined as follows:
- (1) Monitor sulfur content in the off-gas streams for Process Heater H-406.
 - (2) Prior to sampling the fuel in the fuel tank, mix the contents of the tank to ensure consistent composition of the fuel throughout the tank.
 - (3) Perform fuel sampling and analysis for the sulfur content of the fuel in each fuel tank:
 - (A) Prior to the first time the fuel is burned; and
 - (B) Subsequently, prior to burning the fuel whenever additional fuel has been added to the tank since the last sampling event.
 - (4) Maintain records sufficient to demonstrate compliance for at least three (3) years.
 - (5) Submit the excess emissions report described in paragraph D.1.12(b) to the department not later than thirty (30) days after the end of each calendar quarter.
- (b) In order to determine the compliance status with the hourly and annual SO₂ emission limitations in paragraphs D.1.1(b)(3) and (c)(3), and in order to determine the compliance status with the hourly emission limitations in paragraph D.1.1(d), the Permittee shall utilize the fuel sampling and analysis protocol specified in 326 IAC 7-4.1-16(5) or the revised protocol required by paragraph D.1.5(c). Until revised by the protocol required by paragraph D.1.5(c), the protocol states:
- (1) For liquid heater fuel:
 - (A) Sampling

Subsequent to the addition and mixing of liquid heater fuel into a tank, a sample shall be obtained in the following manner:

 - (i) The operator shall drain off approximately one (1) gallon from the sample tap before taking the sample;
 - (ii) The sample shall be labeled (with the tank number, product type, date, time and initials of the sampler); and
 - (iii) The sample shall be submitted to the on-site laboratory for analysis
 - (B) Analysis
 - (i) The laboratory personnel shall enter the sample into the sample log book;
 - (ii) The sample will be analyzed using an ELTRA CS-500 Double Dual Range Carbon/Sulfur Determinator. This Sulfur Determinator utilizes method ASTM D1552-03 to determine sulfur content; or as back up, an Inductively Coupled Plasma

Analyzer utilizing EPA Test Method 6010 shall be used to determine sulfur content;

- (iii) The results of the analysis shall be recorded in the sample log book; and
- (iv) The laboratory shall issue a tank release form to the operator, which will indicate the sulfur content of the heater fuel.
- (v) Once the tank release form is issued, the contents of the tank shall be available to fuel the process heaters.
- (vi) Anytime that heater fuel is added to the tank, the sampling and analysis process noted in paragraphs (b)(1)(A) through (H) of this condition shall be repeated for the tank.

(2) For off-gas fuel:

- (A) Prior to startup of the SO₂ CEMS required by the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, the Permittee shall comply with the following:

Except for monitoring system malfunctions, associated repairs, and required quality assurance or control activities (including as applicable, calibration checks and required zero and span adjustments) the Permittee shall monitor continuously (or collect data at all required intervals) any time a source of emissions is operating.

- (i) Two (2) Antec P6200S Analyzers shall be used for the sulfur analysis of the off-gas fuel streams. With these analyzers, the sample is pyrolyzed with an excess of oxygen, which converts all of the components in the sample to permanent gases. Sulfur compounds are converted to sulfur dioxide (SO₂).
 - (a) One (1) analyzer shall be connected to the supply line from V-410, through which the off-gas flows to the process heaters. The analyzer shall be programmed to automatically sample and analyze this supply line, at a minimum of four (4) times per hour.
 - (b) One (1) analyzer shall be connected to the supply line from V-307, through which the off-gas flows to the process heaters. The analyzer shall be programmed to automatically sample and analyze this supply line, at a minimum of two (2) times per hour.
- (ii) The analyzer shall be connected to the digital control system (DCS) in the Operations Control Room. This DCS shall record and display the concentration in ppm. An alarm is set on the DCS to alert the operator, if concentrations are such that a response is required from the operator.
- (iii) Monitoring System Malfunction

Back-up off-gas analyzer procedures are as follows:

- (a) Any interruption in the collection of valid data that lasts more than twelve (12) hours shall be substituted with manual sampling. Manual sampling data shall begin within the first twelve (12) hours after the last sample analyzed by the Antec P6200S Analyzer. Manual sampling shall continue once every twelve (12) hour period (once per shift) until a valid analysis has been taken.
 - (b) Corrective action shall be taken in the event of an unscheduled monitoring system malfunction.
 - (c) IDEM, OAQ shall be notified prior to any scheduled monitoring system malfunction that will last longer than one (1) week.
- (B) Off-gas from process vessel V-423 shall be analyzed quarterly for sulfur content using methods ASTM D1945/D3588 for major component gas analysis and ASTM D6228 for trace sulfides analysis. Sulfur analysis of V-423 off-gas shall not be conducted in successive months.
- (c) Not later than 90 days after the issuance of Significant Permit Modification No. 089-44799-00301 or 30 days after the startup of the SO₂ CEMS required by the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, whichever is later, the Permittee shall submit a revised fuel sampling and analysis protocol for liquid fuels burned in heaters H-201, H-301, H-401, and H-402, off-gas burned in heater H-406, and for off-gas fuel burned in heaters H-201 and H-401 during periods of CEMS downtime to the Compliance and Enforcement Branch, IDEM, OAQ.

D.1.6 Continuous Emissions Monitoring [326 IAC 3-5] [326 IAC 2-7-6(1),(6)]

- (a) Pursuant to 326 IAC 3-5 (Continuous Monitoring of Emissions) continuous emission monitoring systems for H-201 and H-401 shall be calibrated, maintained, and operated for measuring sulfur dioxide (SO₂), which meet all applicable performance specifications of 326 IAC 3-5-2.
- (b) All continuous emissions monitoring systems are subject to monitor system certification requirements pursuant to 326 IAC 3-5-3.
- (c) Nothing in this permit shall excuse the Permittee from complying with the requirements to operate a continuous emission monitoring system pursuant to 326 IAC 3-5.

D.1.7 SO₂ Compliance Determination

- (a) Compliance with the emissions limitation in paragraph D.1.1(b)(3) shall be determined in accordance with the following equations:

- (1) Hourly Emissions

$$E_{bh} = E_{201} + [Q_{301g} \times 0.6 \text{ lb/MMCF}] + [Q_{301o} \times (S \times 142) \text{ lb/kgal}]$$

Where:

- E_{bh} = Hourly SO₂ emissions for combined H-201 and H-301, lb/hr
- E₂₀₁ = Emissions from E-201 determined by the CEMS, lb/hr
- Q_{301g} = Natural gas flow rate to H-301, MMCF/hr
- Q_{301o} = Fuel oil flow rate to H-301, kgal/hr

S = Sulfur content of No. 2-equivalent fuel oil, %

- (A) Prior to startup of the SO₂ CEMS required by the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, the hourly emissions from H-201, E₂₀₁, shall be determined as follows:

$$E_{201} = [Q_{201g} \times (S_{201g} \times 950 \text{ lb/MMCF})] + (Q_{201N} \times 0.6 \text{ lb/MMCF}) + [Q_{201o} \times (S_{201o} \times 142 \text{ lb/kgal})]$$

Where:

E₂₀₁ = Hourly SO₂ emissions for H-201, lb/hr
Q_{201g} = Flow rate of off-gas to H-201 in the hour, MMCF/hr
S_{201g} = Sulfur content of off-gas supplied to H-201 in the hour, %
Q_{201N} = Flow rate of natural gas to H-201 in the hour, MMCF/hr
Q_{201o} = Flow rate of No. 2-equivalent fuel oil to H-201 in the hour, MMCF/hr
S_{201g} = Sulfur content of off-gas supplied to H-201 in the hour, %

- (2) Monthly Emissions

$$E_{bM} = \frac{\sum_i E_{201i} + (Q_{301gM} \times 0.6 \text{ lb/MMCF}) + \sum_k [Q_{301ok} \times (S_k \times 142 \text{ lb/kgal})]}{2,000 \text{ lb/ton}}$$

Where:

E_{bM} = combined SO₂ emissions for H-201 and H-301, tons/month
E_{201i} = Emissions from H-201 determined by the CEMS in each hour *i*, lb/hr
i = counter indicating each hour in the month reported
Q_{301gM} = Natural gas flow to H-301 in the month reported, MMCF/month
Q_{301ok} = Fuel oil flow to H-301 in the month reported for tank-sulfur combination *k*, kgal/month (*note that pursuant to paragraph D.1.5(b)(1)(B)(vi) the value of S is recalculated when material is added to a liquid fuel tank*)
S_k = Sulfur content determined for tank-sulfur combination *k*, %

- (A) Prior to startup of the SO₂ CEMS required by the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, the hourly emissions from H-201, E_{201i}, shall be determined using the methodology in paragraph D.1.7(a)(1)(A).
- (b) Compliance with the emissions limitation in paragraph D.1.1(c)(3) shall be determined in accordance with the following equations:

- (1) Hourly Emissions

$$E_{ch} = E_{401} + [Q_{402g} \times 0.6 \text{ lb/MMCF}] + [Q_{402o} \times (S \times 142) \text{ lb/kgal}]$$

Where:

E_{ch} = Hourly SO₂ emissions for combined H-401 and H-402, lb/hr
E₄₀₁ = Emissions from E-401 determined by the CEMS, lb/hr
Q_{402g} = Natural gas flow rate to H-402, MMCF/hr
Q_{402o} = Fuel oil flow rate to H-402, kgal/hr
S = Sulfur content of No. 2-equivalent fuel oil, %

- (A) Prior to startup of the SO₂ CEMS required by the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, the hourly

emissions from H-401, E_{401} , shall be determined as follows:

$$E_{401} = [Q_{401g} \times (S_{401g} \times 950 \text{ lb/MMCF})] + (Q_{401N} \times 0.6 \text{ lb/MMCF}) + [Q_{401o} \times (S_{401o} \times 142 \text{ lb/kgal})]$$

Where:

- E_{401} = Hourly SO₂ emissions for H-401, lb/hr
- Q_{401g} = Flow rate of off-gas to H-401 in the hour, MMCF/hr
- S_{401g} = Sulfur content of off-gas supplied to H-401 in the hour, %
- Q_{401N} = Flow rate of natural gas to H-401 in the hour, MMCF/hr
- Q_{401o} = Flow rate of No. 2-equivalent fuel oil to H-401 in the hour, MMCF/hr
- S_{401o} = Sulfur content of off-gas supplied to H-401 in the hour, %

(2) Monthly Emissions

$$E_{cM} = \frac{\sum_i E_{401i} + (Q_{402gM} \times 0.6 \text{ lb/MMCF}) + \sum_l [Q_{402ol} \times (S_l \times 142 \text{ lb/kgal})]}{2,000 \text{ lb/ton}}$$

Where:

- E_{cM} = combined SO₂ emissions for H-401 and H-402, tons/month
- E_{401i} = Emissions from H-401 determined by the CEMS in each hour i , lb/hr
- i = counter indicating each hour in the month reported
- Q_{402gM} = Natural gas flow to H-402 in the month reported, MMCF/month
- Q_{402ol} = Fuel oil flow to H-402 in the month reported for tank-sulfur combination l , kgal/month (*note that pursuant to paragraph D.1.5(b)(1)(B)(vi) the value of S is recalculated when material is added to a liquid fuel tank*)
- S_l = Sulfur content determined for tank-sulfur combination l , %

(A) Prior to startup of the SO₂ CEMS required by the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, the hourly emissions from H-401, E_{401i} , shall be determined using the methodology in paragraph D.1.7(b)(1)(A).

(c) Compliance with the emissions limitation in paragraph D.1.1(d) shall be determined in accordance with the following equation:

$$E_{dh} = [Q_{423} \times (S_{423} \times 950 \text{ lb/MMCF})] + (Q_{NG} \times 0.6 \text{ lb/MMCF})$$

Where:

- E_{dh} = Hourly SO₂ emissions for H-406, lb/hr
- Q_{423} = Flow rate of off-gas from vessel V-423 in the hour, MMCF/hr
- S_{423} = Sulfur content of vessel V-423 off-gas in the hour, %
- Q_{NG} = Flow rate of natural gas to H-406 in the hour, MMCF/hr

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

D.1.8 Visible Emissions Notations

- (a) Visible emissions notations of Process Heaters H-201, H-301, H-401, H-402, and H-406 stack exhausts shall be performed once per day during normal daylight operations while combusting fuel oil equivalents. A trained employee shall record whether emissions are normal or abnormal.
- (b) For processes operated continuously, "normal" means those conditions prevailing, or

expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

- (c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.
- (d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.
- (e) If abnormal emissions are observed, the Permittee shall take reasonable response. Section C - Response to Excursions or Exceedances contains the Permittee's obligation with regard to the reasonable response steps required by this condition. Failure to take response steps shall be considered a deviation from this permit.

D.1.9 SO₂ Continuous Emissions Monitoring (CEMS) Equipment Downtime

- (a) In the event that a breakdown of a SO₂ continuous emissions monitoring system (CEMS) occurs, a record shall be made of the time and reason of the breakdown and efforts made to correct the problem.
- (b) Whenever a SO₂ continuous emissions monitoring system (CEMS) is malfunctioning or is down for maintenance or repairs for a period of twelve (12) hours or more and a backup SO₂ CEMS is not online within twelve (12) hours after the last valid data from the primary SO₂ CEMS, the Permittee shall comply with the following:
 - (1) Any interruption in the collection of valid data that lasts more than twelve (12) hours shall be substituted with manual sampling. Manual sampling data shall begin within the first twelve (12) hours after the last valid 15-minute CEMS data point. Manual sampling shall continue once every twelve (12) hour period (once per shift) until the CEMS unit is operational.

To determine SO₂ emissions for the downtime period(s) the following alternate monitoring procedure will be implemented.

- (A) Measure fuel oil flow rate and apply the corresponding tank sulfur analysis determined pursuant to paragraph D.1.5(b)(1) to calculate lbs SO₂/hour.
 - (B) Measure off-gas flow rate and collect manual sulfur measurements for the off-gas burned in H-201 and/or H-401 using the methodology applied to off-gas fuel for H-406 to calculate lbs SO₂/hour.
 - (C) Measure natural gas flow rate and apply standard emission factor for SO₂ to calculate lbs SO₂/hour.
 - (D) Total lbs SO₂/hour at either H-201 or H-401 (malfunctioning CEMS unit) = (A) + (B) + (C).
- (2) Corrective action shall be taken in the event of an unscheduled monitoring system malfunction.
 - (3) IDEM, OAQ shall be notified prior to any scheduled monitoring system malfunction that will last longer than one (1) week,
- (c) In addition to off-gas fuel sampling and analysis procedures, the protocol required by

paragraph D.1.5(c) shall identify parametric monitoring conditions for H-201 and H-401, if any, during periods of CEMS downtime. Appropriate parameters for monitoring are those indicators of process or control device performance demonstrating that operations continue as normally in the absence of continuous emissions monitoring. Parametric monitoring shall begin not more than twelve (12) hours after the start of the malfunction or down time at least twice per day during normal operations, with at least four (4) hours between each set of readings, until a SO₂ CEMS is online.

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

D.1.10 Record Keeping Requirements

- (a) To document the compliance status with Condition D.1.1, 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 SO₂ emission limits established in Condition D.1.1. Records necessary to demonstrate compliance shall be available not later than thirty (30) days of the end of each compliance period.
 - (1) Calendar dates covered in the compliance determination period;
 - (2) Actual fuel (natural gas, No. 2 fuel oil and off-gas) usage since last compliance determination period and equivalent sulfur dioxide emissions;
 - (3) To certify compliance when burning natural gas only, the Permittee shall maintain records of fuel used.
- (b) To document the compliance status with Conditions D.1.1(b)(3), (c)(3), (d) and (e), the Permittee shall maintain records of hourly fuel usage as well as a log of the sulfur content obtained from each fuel sampling and analysis performed in accordance with Condition D.1.5(b).
- (c) To document the compliance status with Condition D.1.8, the Permittee shall maintain records of daily visible emission notations of the process heater stack exhausts when exhausting to the atmosphere for the process heaters which are combusting No. 2 fuel oil equivalents. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g. the process did not operate that day).
- (d) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.1.11 Record Keeping Requirements for CEMS [326 IAC 2-7-5(3)(B)] [326 IAC 3-5]

- (a) The Permittee shall record the output of the continuous monitoring system(s) pounds per hour and shall perform the required record keeping pursuant to 326 IAC 3-5-6 and 326 IAC 3-5-7, including but not limited to:
 - (1) One-minute block averages.
 - (2) All documentation relating to:
 - (A) design, installation, and testing of all elements of the monitoring system, and
 - (B) required corrective action or compliance plan activities.
 - (3) All maintenance logs, calibration checks, and other required quality assurance

activities,

- (4) All records of corrective and preventive action, and
- (5) A log of plant operations, including the following:
 - (A) Date of facility downtime,
 - (B) Time of commencement and completion of downtime, and
 - (C) Reason for each downtime.
 - (D) Nature of system repairs and adjustments.
- (b) In the event that a breakdown of the SO₂ continuous emission monitoring systems (CEMS) occurs, the Permittee shall maintain records of all CEMS malfunctions, out of control periods, calibration and adjustment activities, and repair or maintenance activities.
- (c) In the event that a breakdown of the SO₂ continuous emission monitoring systems (CEMS) occurs, the Permittee shall maintain records of monitoring conducted pursuant to paragraph D.1.10(b).
- (d) Section C - General Record Keeping Requirements contains the Permittee's obligation with regard to the records required by this condition.

D.1.12 Reporting Requirements

- (a) A quarterly summary of the information to document the compliance status with the annual (tons per year) limits contained in Conditions D.1.1(b)(3) and (c)(3) shall be submitted not later than thirty (30) days after the end of the quarter being reported.
- (b) Pursuant to 326 IAC 7-4.1-16(5)(A)(v) and the Agreed Order issued in Case Nos. 2018-25282-A, 2021-27677-A, and 2021-27834-A, the Permittee shall submit an excess emissions report to IDEM not later than thirty (30) days after the end of each calendar quarter. The reports shall contain the following information:
 - (1) Hourly records of sulfur content that result from the fuel sampling and analysis performed for the following fuels:
 - (A) No. 2 fuel oil equivalent;
 - (B) Off-gases;
 - (2) Fuel consumption on an hourly basis;
 - (3) For all monitor system malfunctions, the Permittee shall submit:
 - (A) Beginning and end dates and time of the monitor system malfunction;
 - (B) The corrective actions taken; and
 - (C) The manual sampling data substituted.
- (d) 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).

D.1.13 Reporting Requirements for CEMS [326 IAC 2-7-5(3)(C)] [326 IAC 3-5]

- (a) Pursuant to 326 IAC 3-5-5(f)(1), the Permittee shall prepare and submit to IDEM, OAQ a written report for performance audits as follows:

- (1) Owners or operators of emissions units required to conduct a:
 - (A) cylinder gas audit;
 - (B) relative accuracy test audit; or
 - (C) continuous opacity monitor calibration error audit;

on continuous emission monitors shall prepare a written report of the results of the performance audit for each calendar quarter, or for other periods required by the department. The owner or operator shall submit quarterly reports to the department within thirty (30) calendar days after the end of each quarter for cylinder gas audits and continuous opacity monitor calibration error audits and within forty-five (45) calendar days after the completion of the test for relative accuracy test audits.

- (2) The report must contain the information required by 326 IAC 3-5-5(f)(2).
- (b) Pursuant to 326 IAC 3-5-7(c)(4), reporting of continuous monitoring system instrument downtime, except for zero (0) and span checks, which shall be reported separately, shall include the following:
 - (1) date of downtime;
 - (2) time of commencement;
 - (3) duration of each downtime;
 - (4) reasons for each downtime; and
 - (5) nature of system repairs and adjustments.
 - (c) The reports submitted by the Permittee 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).

SECTION D.2 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (kk) Degreasing operations consisting of the following:
- (1) One (1) cold cleaner, identified as Maintenance Degreaser;
 - (2) One (1) cold cleaner, identified as Railcar Unloading Area Degreaser;
 - (3) One (1) cold cleaner, identified as Tanker Trailer Unloading Bays 1&2; and
 - (4) One (1) cold cleaner, identified as Tanker Trailer Unloading Bays 3&4.

These four (4) degreasers do not use halogenated solvents.

Insignificant Activities:

- (c) Production related activities, including the following:
- (1) Degreasing operations that do not exceed one hundred forty-five (145) gallons per twelve (12) months, except if subject to 326 IAC 20-6, as follows:
 - (A) One (1) cold cleaner degreasing unit that does not use halogenated solvents, identified as Maintenance Degreaser 2, installed before 1990.

(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 2-3]

Pursuant to T089-33919-00301, issued July 8, 2014 and in order to render the requirements of 326 IAC 2-3 (Emission Offset) not applicable, the VOC emissions from the degreasing operations shall not exceed fifteen (15) tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

Compliance with this limit combined with the potential to emit VOC from all other emission units at the source, shall limit the source-wide potential to emit VOC to less than twenty-five (25) tons per twelve (12) consecutive month period, and shall render the requirements of 326 IAC 2-3 (Emission Offset) not applicable.

D.2.2 Cold Cleaner Degreaser Control Equipment and Operating Requirements [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Degreaser Control and Equipment Operating Requirements), the Permittee shall:

- (a) Ensure the following control equipment and operating requirements are met:
 - (1) Equip the degreaser with a cover.
 - (2) Equip the degreaser with a device for draining cleaned parts.
 - (3) Close the degreaser cover whenever parts are not being handled in the degreaser.

- (4) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;
 - (5) Provide a permanent, conspicuous label that lists the operating requirements in subdivisions (3), (4), (6), and (7).
 - (6) Store waste solvent only in closed containers.
 - (7) Prohibit the disposal or transfer of waste solvent in such a manner that could allow greater than twenty percent (20%) of the waste solvent (by weight) to evaporate into the atmosphere.
- (b) Ensure the following additional control equipment and operating requirements are met:
- (1) Equip the degreaser with one (1) of the following control devices if the solvent is heated to a temperature of greater than forty-eight and nine-tenths (48.9) degrees Celsius (one hundred twenty (120) degrees Fahrenheit):
 - (A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.
 - (B) A water cover when solvent used is insoluble in, and heavier than, water.
 - (C) A refrigerated chiller.
 - (D) Carbon adsorption.
 - (E) An alternative system of demonstrated equivalent or better control as those outlined in clauses (A) through (D) that is approved by the department. An alternative system shall be submitted to the U.S. EPA as a SIP revision.
 - (2) Ensure the degreaser cover is designed so that it can be easily operated with one (1) hand if the solvent is agitated or heated.
 - (3) If used, solvent spray:
 - (A) must be a solid, fluid stream; and
 - (B) shall be applied at a pressure that does not cause excessive splashing.

D.2.3 Material Requirements for Cold Cleaner Degreasers [326 IAC 8-3-8]

Pursuant to 326 IAC 8-3-8 (Material Requirements for Cold Cleaner Degreasers), the Permittee shall not operate a cold cleaning degreaser with a solvent vapor pressure that exceeds one (1) millimeter of mercury (nineteen-thousandths (0.019) pound per square inch) measured at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).

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

D.2.4 VOC Emissions

Compliance with Condition D.2.1 shall be demonstrated not later than thirty (30) days of the end of each month. This determination shall be based on the total volatile organic compound emitted for the previous month, added to the previous eleven (11) months total VOC emitted so as to arrive at VOC emissions for the most recent twelve (12) consecutive month period. The VOC emissions for a month shall be calculated by the following:

$$E = [(S_{\text{clean}} - S_{\text{spent}}) * \delta] / 2000$$

Where: E = VOC emissions in tons

S_{clean} = Clean solvent purchased in gallons;

S_{spent} = Spent solvent manifested and shipped off-site for reclaim in gallons; and

δ = Density of the solvent in lbs/gal

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

D.2.5 Record Keeping Requirements

- (a) To document the compliance status with Condition D.2.1, the Permittee shall maintain records of all degreasing clean solvent purchases and spent solvent manifests. Records maintained shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limit established in Condition D.2.1.
- (b) To document the compliance status with Condition D.2.3, the Permittee shall maintain the following records for each purchase of solvent used in the cold cleaner degreasing operations. These records shall be retained on-site or accessible electronically for the most recent three (3) year period and shall be reasonably accessible for an additional two (2) year period.
 - (a) The name and address of the solvent supplier.
 - (b) The date of purchase.
 - (c) The type of solvent purchased.
 - (d) The total volume of the solvent purchased.
 - (e) The true vapor pressure of the solvent measured in millimeters of mercury at twenty (20) degrees Celsius (sixty-eight (68) degrees Fahrenheit).
- (b) Section C - General Record Keeping Requirements, contains the Permittee's obligations with regard to the records required by this condition.

D.2.6 Reporting Requirements

A quarterly summary of the information to document compliance with the annual (tons per year) limits contained in Condition D.2.1 shall be submitted not 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 D.3 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (k) One (1) storage tank, identified as T-9, installed in 1968, with a maximum capacity of 20,000 gallons.
- (l) Two (2) storage tanks, identified as T-26 and T-27, installed in 1968, with a maximum capacity of 19,110 gallons each.
- (o) Eleven (11) storage tanks, identified as T-101 through T-108, and T-110 through T-112, installed in 1989, with a maximum capacity of 30,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (p) Two (2) storage tanks, identified as T-906 and T-907, installed in 1989, with a maximum capacity of 30,598 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (q) Fourteen (14) storage tanks, identified as T-931, T-932, T-935, T-936, T-941, T-942, T-944, T-945, T-948, T-949, T-951, T-952, T-981 and T-982, installed in 1989, with a maximum capacity of 29,611 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (r) Four (4) storage tanks, identified as T-933, T-934, T-946 and T-947, installed in 1989, with a maximum capacity of 29,617 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (s) One (1) storage tank, identified as T-109, installed in 1989, with a maximum capacity of 20,000 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (t) Two (2) storage tanks, identified as T-120 and T-121, installed in 1989, with a maximum capacity of 15,000 gallons each.
- (u) Four (4) storage tanks, identified as T-651 through T-654, installed in 1992, with a maximum capacity of 30,401 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (aa) Two (2) storage tanks, identified as T-912 and T-913, installed in 1993, with a maximum capacity of 30,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (bb) Three (3) storage tanks, identified as T-914 through T-916, installed in 1993, with a maximum capacity of 31,028 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (cc) Two (2) storage tanks, identified as T-953 and T-954, installed in 1993, with a maximum capacity of 29,611 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (gg) One (1) storage tank, identified as T-950, installed in 1989, with a maximum capacity of 9,024 gallons.
- (ii) Two (2) storage tanks, identified as T-961 and T-962, installed in 1994, with a maximum

capacity of 30,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).

- (jj) One (1) storage tank, identified as T-917, installed in 1995, with a maximum capacity of 31,208 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).

Insignificant Activities:

- (d) Other categories with emissions below insignificant thresholds found in 326 IAC 2-7-1(21)(A)-(C)
 - (1) One (1) storage tank, identified as T-983, installed in 2005, with a maximum capacity of 30,000 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
 - (2) Twenty (20) storage tanks, identified as T-513, T-514, T-521, T-522, T-523, T-531, T-532, T-551, T-552, T-553, T-554, T-555, T-556, T-561, T-562, T-563, T-564, T-565, T-571, and T-595, approved in 2011 for construction, with a maximum capacity of 30,000 gallons or less, storing liquids with a maximum true vapor pressure that is less than 0.1 mmHg (0.1hPa).
- (i) Nine (9) storage tanks, identified as T-515, T-536, T-537, T-538, T-542, T-701, T-702, T-703, and T-704, as follows:

Tank ID	Year of Construction	Contents	VP (psia)	Volume (gal)
T-515	2014	Lube oil	0.0007	11,656.41
T-536	2014	Lube oil	0.0007	32,122.69
T-537	2014	Lube oil	0.0007	11,280.39
T-538	2014	Lube oil	0.0007	11,280.39
T-542	2014	Lube oil	0.0007	11,280.39
T-701	1991	Virgin caustic soda solution	-	30,000.00
T-702	1991	Spent caustic soda solution	-	30,000.00
T-703	1991	Batch day caustic soda solution	-	158.00
T-704	1991	Spent caustic soda solution	-	4,000.00

- (j) One (1) storage tank, used for residual oil/asphalt flux, identified as T-976, installed in 2017, with a maximum capacity of 888,300 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (b) The following VOC and HAP storage containers:
 - (1) Vessels storing the following:
 - Hydraulic oils.
 - Lubricating oils.
 - Machining oils.
 - Machining fluids.

As follows:

Tank ID	Year of Construction	Contents	VP (psia)	Volume (gal)
T-515	2014	Lube oil	0.0007	11,656.41
T-536	2014	Lube oil	0.0007	32,122.69
T-537	2014	Lube oil	0.0007	11,280.39
T-538	2014	Lube oil	0.0007	11,280.39
T-542	2014	Lube oil	0.0007	11,280.39

(f) An emission unit or activity whose potential uncontrolled emissions meet the exemption levels specified in 326 IAC 2-1.1-3(e)(1) or the exemption levels specified in the following, whichever is lower:

- For lead or lead compounds measured as elemental lead, the exemption level is six-tenths (0.6) ton per year or three and twenty-nine hundredths (3.29) pounds per day.
- For carbon monoxide (CO), the exemption limit is twenty-five (25) pounds per day.
- For sulfur dioxide, the exemption level is five (5) pounds per hour or twenty-five (25) pounds per day.
- For VOC, the exemption limit is three (3) pounds per hour or fifteen (15) pounds per day.
- For nitrogen oxides (NO_x), the exemption limit is five (5) pounds per hour or twenty-five (25) pounds per day.
- For PM₁₀ or direct PM_{2.5}, the exemption level is either five (5) pounds per hour or twenty-five (25) pounds per day.

As follows:

- (2) One (1) storage tank, identified as T-983, installed in 2005, with a maximum capacity of 30,000 gallons, storing liquids with a maximum true vapor pressure that is less than 2.18 psia (15.0 kPa).
- (3) Twenty (20) storage tanks, identified as T-513, T-514, T-521, T-522, T-523, T-531, T-532, T-551, T-552, T-553, T-554, T-555, T-556, T-561, T-562, T-563, T-564, T-565, T-571, and T-595, installed in 2011, with a maximum capacity of 30,000 gallons or less, storing liquids with a maximum true vapor pressure that is less than 0.1 mmHg (0.1hPa).
- (4) One (1) storage tank, used for residual oil/asphalt flux, identified as T-976, installed in 2017, with a maximum capacity of 888,300 gallons.

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

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

D.3.1 Volatile Organic Liquid Storage Vessels [326 IAC 8-9]

The storage tanks, identified as T-9, T-26, T-27, T-101 through T-112, T-120, T-121, T-651 through T-654, T-906, T-907, T-912 through T-917, T-931 through T-936, T-941, T-942, T-944 through T-954, T-961, T-962, T-981 through T-983, T-513, T-514, T-515, T-521, T-522, T-523, T-531, T-532, T-536 through T-538, T-542, T-551, T-552, T-553, T-554, T-555, T-556, T-561, T-562, T-563, T-564, T-565, T-571, T-595, and T-976 are required to comply with the following:

- (1) The Permittee of each vessel subject to this rule shall keep all records required by this section for three (3) years unless specified otherwise.

- (2) The Permittee of each vessel to which 326 IAC 8-9-1 of this rule applies shall maintain a record and submit to the IDEM, OAQ a report containing the following information for each vessel:
- (A) The vessel identification number;
 - (B) The vessel dimensions; and
 - (C) The vessel capacity.

These records shall be maintained for the life of the source.

SECTION E.1

NSPS

Emissions Unit Description:

- (m) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-51, installed in 1993, with a maximum capacity of 4,000,000 gallons, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (v) Four (4) storage tanks, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-901 through T-904, installed in 1989, with a maximum capacity of 640,000 gallons each, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (w) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-905, installed in 1989, with a maximum capacity of 120,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (x) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-908, installed in 1989, with a maximum capacity of 170,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (y) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-909, installed in 2013, with a maximum capacity of 3,500,000 gallons, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (z) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-911, installed in 1989, with a maximum capacity of 120,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (ff) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-939, installed in 1989, with a maximum capacity of 640,000 gallons, storing liquids with a maximum true vapor pressure that is less than 0.75 psia (5.17 kPa). Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (hh) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-955, installed in 1994, with a maximum capacity of 128,520 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (ll) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-150, installed in 2009, with a maximum capacity of 4,000,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (mm) One (1) storage tank, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-970, installed in 2009, with a maximum capacity of 2,000,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.
- (nn) Five (5) storage tanks, used for petroleum or condensate stored, processed, or treated prior to custody transfer, identified as T-971, T-972, T-973, T-974, and T-975, installed in 2009, each with a maximum capacity of 1,000,000 gallons. Under 40 CFR 60, Subpart Kb, this is considered an affected facility.

(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 (NSPS) Requirements [326 IAC 2-7-5(1)]

E.1.1 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 the emission units listed above, except as otherwise specified in 40 CFR Part 60, Subpart Kb.

- (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.1.2 New Source Performance Standards for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 NSPS [326 IAC 12] [40 CFR 60, Subpart Kb]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Kb (included as Attachment B to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission units listed above:

- (1) 40 CFR 60.110b;
- (2) 40 CFR 60.111b; and
- (3) 40 CFR 60.116b

Emission Limitations and Standards [326 IAC 2-7-5(1)]

E.1.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

SECTION E.2

NSPS

Emissions Unit Description:

- (a) One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack SB-822.

Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.

- (b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.

(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 (NSPS) Requirements [326 IAC 2-7-5(1)]

E.2.1 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 the emission units listed above, except as otherwise specified in 40 CFR Part 60, Subpart Dc.

- (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 Small Industrial-Commercial-Institutional Steam Generating Units NSPS [326 IAC 12] [40 CFR Part 60, Subpart Dc]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Dc (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission units listed above:

- (1) 40 CFR 60.40c
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.48c (a), (g), (i)

SECTION E.3

NESHAP

Emissions Unit Description:

Specifically Regulated Insignificant Activities

(a) Fuel dispensing activities as follows:

(1) A gasoline fuel transfer dispensing operation handling less than or equal to one thousand three hundred (1,300) gallons per day and filling storage tanks having a capacity equal to or less than ten thousand five hundred (10,500) gallons, as follows:

(A) One (1) gasoline fuel transfer and dispensing operation, constructed in 2006, with an above-ground storage tank with a capacity of 500 gallons and a maximum throughput of less than 2,000 gallons per month.

Under the NESHAP, 40 CFR 63, Subpart CCCCCC, the gasoline dispensing operation is 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 (NESHAP) Requirements
[326 IAC 2-7-5(1)]**

E.3.1 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 63.1 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, for the emission unit(s) listed above, except as otherwise specified in 40 CFR Part 63, Subpart CCCCCC.

(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 Source Category: Gasoline Dispensing Facilities NESHAP [40 CFR Part 63, Subpart CCCCCC]

The Permittee shall comply with the following provisions of 40 CFR Part 63, Subpart CCCCCC (included as Attachment D to the operating permit) for the emission unit listed above:

- (1) 40 CFR 63.11110
- (2) 40 CFR 63.11111(a), (b), (e), (f), (h), (i), (j), (k)
- (3) 40 CFR 63.11112(a), (d)
- (4) 40 CFR 63.11113(b), (c)
- (5) 40 CFR 63.11115
- (6) 40 CFR 63.11116
- (7) 40 CFR 63.11125(d)
- (8) 40 CFR 63.11126(b)

- (9) 40 CFR 63.11130
- (10) 40 CFR 63.11131
- (11) 40 CFR 63.11132
- (12) Table 3 to Subpart CCCCCC

Emission Limitations and Standards [326 IAC 2-7-5(1)]

E.3.3 Preventive Maintenance Plan [326 IAC 2-7-5(12)]

A Preventive Maintenance Plan is required for these facilities and any control devices. Section B - Preventive Maintenance Plan contains the Permittee's obligation with regard to the preventive maintenance plan required by this condition.

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

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301

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: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301

This form consists of 2 pages

Page 1 of 2

- | |
|---|
| <p><input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12)</p> <ul style="list-style-type: none">• The Permittee must notify the Office of Air Quality (OAQ), within four (4) daytime 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 ₂ , VOC, NO _x , 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 Daily Report

(Submit Report Quarterly)

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301
Facility: H-201 and H-301
Parameter: SO₂ Emissions (lb/hr)
Limit: The combined sulfur dioxide emissions from these two (2) process heaters (H-201 and H-301) shall not exceed fourteen (14) pounds per hour, with compliance determined at the end of each day.

Day: ____ Month: _____ Year: _____

Hour	SO ₂ Emissions (lb/hr)	Hour	SO ₂ Emissions (lb/hr)
00:00 - 01:00		12:00 - 13:00	
01:00 - 02:00		13:00 - 14:00	
02:00 - 03:00		14:00 - 15:00	
03:00 - 04:00		15:00 - 16:00	
04:00 - 05:00		16:00 - 17:00	
05:00 - 06:00		17:00 - 18:00	
06:00 - 07:00		18:00 - 19:00	
07:00 - 08:00		19:00 - 20:00	
08:00 - 09:00		20:00 - 21:00	
09:00 - 10:00		21:00 - 22:00	
10:00 - 11:00		22:00 - 23:00	
11:00 - 12:00		23:00 - 24:00	

No deviation occurred in this month.

Deviation/s occurred in this month.

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 Daily Report

(Submit Report Quarterly)

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301
Facility: H-401 and H-402
Parameter: SO₂ Emissions (lb/hr)
Limit: The combined sulfur dioxide emissions from these two (2) process heaters (H-401 and H-402) shall not exceed ten and eight-tenths (10.8) pounds per hour, with compliance determined at the end of each day.

Day: ____ Month: _____ Year: _____

Hour	SO ₂ Emissions (lb/hr)	Hour	SO ₂ Emissions (lb/hr)
00:00 - 01:00		12:00 - 13:00	
01:00 - 02:00		13:00 - 14:00	
02:00 - 03:00		14:00 - 15:00	
03:00 - 04:00		15:00 - 16:00	
04:00 - 05:00		16:00 - 17:00	
05:00 - 06:00		17:00 - 18:00	
06:00 - 07:00		18:00 - 19:00	
07:00 - 08:00		19:00 - 20:00	
08:00 - 09:00		20:00 - 21:00	
09:00 - 10:00		21:00 - 22:00	
10:00 - 11:00		22:00 - 23:00	
11:00 - 12:00		23:00 - 24:00	

No deviation occurred in this month.

Deviation/s occurred in this month.

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 Daily Report

(Submit Report Quarterly)

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301
Facility: H-406
Parameter: SO₂ Emissions (lb/hr)
Limit: The sulfur dioxide emissions shall not exceed eight (8) pounds per hour, with compliance determined at the end of each day.

Unit: _____ Day: ____ Month: _____ Year: _____

Hour	SO ₂ Emissions (lb/hr)	Hour	SO ₂ Emissions (lb/hr)
00:00 - 01:00		12:00 - 13:00	
01:00 - 02:00		13:00 - 14:00	
02:00 - 03:00		14:00 - 15:00	
03:00 - 04:00		15:00 - 16:00	
04:00 - 05:00		16:00 - 17:00	
05:00 - 06:00		17:00 - 18:00	
06:00 - 07:00		18:00 - 19:00	
07:00 - 08:00		19:00 - 20:00	
08:00 - 09:00		20:00 - 21:00	
09:00 - 10:00		21:00 - 22:00	
10:00 - 11:00		22:00 - 23:00	
11:00 - 12:00		23:00 - 24:00	

No deviation occurred in this month.

Deviation/s occurred in this month.
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 Quarterly Report

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301
Facility: H-201 and H-301
Parameter: SO₂ emissions
Limit: The combined sulfur dioxide emissions from these two (2) process heaters (H-201 and H-301) shall not exceed sixty (60) 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 Quarterly Report

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301
Facility: H-401 and H-402
Parameter: SO₂ emissions
Limit: The combined sulfur dioxide emissions from these two (2) process heaters (H-401 and H-402) shall not exceed forty-seven and three-tenths (47.3) 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 Quarterly Report

Source Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301
Facility: Degreasing operations
Parameter: VOC emissions
Limit: VOC emissions from the degreasing operations shall not exceed fifteen (15) 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: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Part 70 Permit No.: T089-40580-00301

Months: _____ to _____ Year: _____

Page 1 of 2

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

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

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

**Technical Support Document (TSD) for a Part 70 Minor Source
Modification and Administrative Amendment**

Source Description and Location

Source Name:	Safety-Kleen Systems, Inc.
Source Location:	601 Riley Road, East Chicago, Indiana 46312
County:	Lake, North Township
SIC Code:	2992 (Lubricating Oils and Greases)
Operation Permit No.:	T 089-40580-00301
Operation Permit Issuance Date:	December 12, 2019
Minor Source Modification No.:	089-45246-00301
Administrative Amendment No.:	089-45254-00301
Permit Reviewer:	Doug Logan

Existing Approvals

The source was issued Part 70 Operating Permit Renewal No. 089-40580-00301 on December 12, 2019. The source has since received the following approvals:

Permit Type	Permit Number	Issuance Date
Administrative Amendment	089-44185-00301	August 10, 2021
Significant Permit Modification	089-44799-00301	March 18, 2022

County Attainment Status

The source is located in Lake County, North Township.

Pollutant	Designation
SO ₂	Better than national standards.
CO	Attainment effective February 18, 2000, for the part of the city of East Chicago bounded by Columbus Drive on the north; the Indiana Harbor Canal on the west; 148 th Street, if extended, on the south; and Euclid Avenue on the east. Unclassifiable or attainment effective November 15, 1990, for the remainder of East Chicago and Lake County.
O ₃	Serious nonattainment effective September 23, 2019, for the 2008 8-hour ozone standard.
O ₃	Marginal nonattainment effective August 3, 2018, for the 2015 8-hour ozone standard for Calumet Township, Hobart Township, North Township, Ross Township, and St. John Township. Unclassifiable or attainment effective August 3, 2018, for the 2015 8-hour ozone standard for the remainder of the county.
PM _{2.5}	Unclassifiable or attainment effective April 15, 2015, for the 2012 annual PM _{2.5} standard.
PM _{2.5}	Unclassifiable or attainment effective December 13, 2009, for the 2006 24-hour PM _{2.5} standard.
PM ₁₀	Attainment effective March 11, 2003, for the cities of East Chicago, Hammond, Whiting, and Gary. Unclassifiable effective November 15, 1990, for the remainder of Lake County.
NO ₂	Unclassifiable or attainment effective January 29, 2012, for the 2010 NO ₂ standard.
Pb	Unclassifiable or attainment effective December 31, 2011, for the 2008 lead standard.

- (a) Ozone Standards
U.S. EPA, in the Federal Register Notice 84 FR 44238 dated August 23, 2019, designated Lake County as serious nonattainment for the 2008 8-hour ozone standard effective September 23,

2019. Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NOx emissions are considered when evaluating the rule applicability relating to ozone. Therefore, VOC and NOx emissions were evaluated pursuant to the requirements of Emission Offset, 326 IAC 2-3.

- (b) **PM_{2.5}**
Lake County has been classified as attainment for PM_{2.5}. Therefore, direct PM_{2.5}, SO₂, and NOx emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2.
- (c) **Other Criteria Pollutants**
Lake County has been classified as attainment or unclassifiable in Indiana for all the 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 type of operation is not one (1) of the twenty-eight (28) listed source categories under 326 IAC 2-2-1(ff)(1), 326 IAC 2-3-2(g), or 326 IAC 2-7-1(22)(B), and there is no applicable New Source Performance Standard or National Emission Standard for Hazardous Air Pollutants that was in effect on August 7, 1980, fugitive emissions are not counted toward the determination of PSD, Emission Offset, and Part 70 Permit applicability.

The fugitive emissions of hazardous air pollutants (HAP) are counted toward the determination of Part 70 Permit applicability and source status under Section 112 of the Clean Air Act (CAA).

Greenhouse Gas (GHG) Emissions

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) 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 GHG emissions to determine operating permit applicability or PSD applicability to a source or modification.

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. If the control equipment

has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions Prior to Modification (ton/year)							
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1,2}	SO ₂	NO _x	VOC	CO	Combined HAPs
Total PTE of Entire Source Excluding Fugitive Emissions*	6.69	11.22	10.52	142.88	123.88	34.25	87.47	2.61
Title V Major Source Thresholds	NA	100	100	100	50	50	100	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	--
Emission Offset Major Source Thresholds	---	NA	NA	NA	50	50	NA	--
¹ Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a "regulated air pollutant." ² PM _{2.5} listed is direct PM _{2.5} . *Fugitive HAP emissions are always included in the source-wide emissions.								

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no PSD regulated pollutant is emitted at a rate of two hundred fifty (250) tons per year or more and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(ff)(1).
- (b) This existing source is a major stationary source, under Emission Offset (326 IAC 2-3), because NO_x and VOC, nonattainment regulated pollutants, are emitted at a rate of 50 tons per year, each, or more.
- (c) This existing source is not a major source of HAP, as defined in 40 CFR 63.2, because HAP emissions are less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs.
- (d) These emissions are based on the TSD of Significant Permit Modification No. 089-44799-00301, issued on March 18, 2022.

Description of Proposed Modification

The Office of Air Quality (OAQ) has reviewed an application, submitted by Safety-Kleen Systems, Inc. on March 21, 2022, relating to construction of a new natural gas-fired boiler.

The following is the new emission unit:

- One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NO_x burners, and exhausting to stack SB-822.

Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.

As part of this permitting action, the following emission units are being removed from the permit:

- One (1) natural gas-fired boiler, identified as SB-801, installed in 1981, with a maximum capacity of 36.0 MMBtu/hr, and exhausting through stack SB-801.
- One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821. Under 40 CFR 60,

Subpart Dc, this is considered an affected facility.

Enforcement Issues

There are no pending enforcement actions related to this modification.

Emission Calculations

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

Project Aggregation

Safety-Kleen Systems, Inc. submitted the following permit applications to IDEM in the two years previous to submission of the present application. When a major source for Prevention of Significant Deterioration (PSD) and/or Emission Offset (EO) submits an application for a modification, IDEM, OAQ reviews the permitting history of the source to determine if projects completed in the preceding two (2) years should be aggregated with the current project.

MSM 089-45246-00301 and AA 089-45254-00301 (present application)

- Construction of a new natural gas-fired boiler.
- Removal of two decommissioned natural gas-fired boilers.

SPM 089-44799-00301 (issued on March 21, 2022)

- Revising compliance monitoring requirements to incorporate continuous emissions monitoring systems (CEMS) for SO₂ at heaters H-201 and H-401.

AA 089-44185-00301 (issued on August 10, 2021)

- Construction of a new railcar loading operation for hydraulic oil.

Conclusion

IDEM has reviewed the aggregation analysis and has determined that the requested changes to the permit described in the Description of Proposed Modification section are independent of recent modifications at the source. Construction of the new boiler will not increase upstream or downstream utilization of any unit that was part of another modification in the past two years.

Permit Level Determination – Part 70 Modification to an Existing Source

Pursuant to 326 IAC 2-1.1-1(12), 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. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

Process / Emission Unit	PTE Before Controls of the New Emission Units (ton/year)									
	PM	PM ₁₀	PM _{2.5} ¹	SO ₂	NO _x		VOC		CO	Combined HAPs
					(lb /day)	(tons /yr)	(lb /day)	(tons /yr)		
Boiler SB-822	0.48	1.91	1.91	0.15	68.82	12.56	7.57	1.38	21.10	0.47

¹PM_{2.5} listed is direct PM_{2.5}.

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

(a) Approval to Construct

The potential to emit of this modification is less than the thresholds in 326 IAC 2-7-10.5(e)(1)(A), (B)(i), (B)(iii), (C), and (D). Pursuant to 326 IAC 2-7-10.5(e)(1)(B)(ii) and 326 IAC 2-7-10.5(e)(2)(B), a Minor Source Modification is required because the potential to emit NO_x less than 25 tons per year and greater than or equal to 10 tons per year and this existing source in Lake County has the potential to emit NO_x that is greater than or equal to twenty-five (25) tons per year and the modification results in an increase of NO_x that is equal to or greater than twenty-five (25) pounds per day.

(b) Approval to Operate

Pursuant to 326 IAC 2-7-11(a)(5), this change to the permit is considered an administrative amendment because the permit is amended to incorporate into a Part 70 permit the requirements from preconstruction permits issued under 326 IAC 2-7-10.5 that have satisfied the requirements of 326 IAC 2-7-17 (Public Participation and Notice to Affected States) and 326 IAC 2-7-18 (Permit Review by the U.S. EPA) as appropriate.

Permit Level Determination – PSD

The table below summarizes the potential to emit of the modification, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source modification and administrative amendment, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

Process / Emission Unit	Project Emissions (ton/year)						
	PM	PM ₁₀	PM _{2.5} ¹	SO ₂	NO _x	VOC	CO
Boiler SB-822	0.48	1.91	1.91	0.15	12.56	1.38	21.10
PSD Major Source Thresholds	250	250	250	250	250	250	250

¹PM_{2.5} listed is direct PM_{2.5}.

- (a) This modification to an existing minor PSD stationary source is not major because the emissions increase of each PSD regulated pollutant is less than the PSD major source threshold. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.

Permit Level Determination – Emission Offset Emissions Increase

On November 24, 2020, the U.S. EPA published a final rule (85 FR 74890, effective December 24, 2020) promulgating revisions to the major New Source Review applicability regulations. In this action, EPA revised major NSR applicability regulations to clarify that both increases and decreases in emissions resulting from a proposed project can be considered in Step 1 of the major NSR major modification applicability test. The consideration of emissions increases and decreases in Step 1 is referred to as project emissions accounting.

- (a) "Project Emissions Accounting (PEA)" Applicability Test: ATP and ATPA
Since this project involves the construction of a new emissions unit (and/or emissions units considered new for this evaluation) and existing emissions units, the source has opted to use the hybrid test for projects that involve multiple types of emissions units (Project Emissions Accounting), described at section IV.I.1.(v) of Appendix S to Part 51 - Emission Offset Interpretive Ruling, to determine if the project results in a Significant Emissions Increase. A Project Emissions Accounting applicability test uses both the Actual to Potential (ATP) test for new emissions units and Actual to Projected Actual (ATPA) test for existing emissions units affected by the modification.

The source has provided information and emission calculations as part of the application for this Project Emissions Accounting test. IDEM, OAQ reviewed the emission calculations provided by the source to verify the emissions factors and methodology used, but has not made any determination regarding the validity and accuracy of certain information such as actual throughput, actual usage and actual hours of operation.

- (b) New Emissions Units and Existing Emissions Units Affected by the Modification
This project involves both new emissions units and existing emissions units affected by the modification.

- (1) New Emissions Unit
Pursuant to 326 IAC 2-3-1(r)(1), a new emissions unit is any emissions unit that is, or will be, newly constructed and that has existed for less than two (2) years from the date the emissions unit first operated.
- (2) Existing Emissions Unit Affected by the Modification
The following emissions units will be considered existing for the purpose of this ATPA test:
- (A) Emissions units that will not be modified; however, they will experience increased or decreased utilization as part of this project.

The following proposed emissions unit(s) are considered as new emissions units for this evaluation.

- (1) One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack SB-822.

The following emissions unit(s) will experience increased or decreased utilization as a result of this project.

- (1) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820.

- (c) Baseline Actual Emissions

- (1) New Emissions Unit(s)
For a new emissions unit, the baseline actual emissions for purposes of determining the Emissions Increase that will result from the initial construction and operation of the unit shall equal zero (0) and thereafter, for all other purposes, shall equal the unit's potential to emit.
- (2) Existing Emissions Unit(s)
The baseline actual emissions from the existing emissions units involved in this ATPA applicability test are based on their emissions from July 2018 through June 2020.

Pursuant to 326 IAC 2-3-1(d)(2)(D), for a regulated NSR pollutant, when a project involves multiple emissions units, only one (1) consecutive twenty-four (24) month period may be used to determine the baseline actual emissions for all the emissions units being changed. A different consecutive twenty-four (24) month period can be used for each regulated NSR pollutant.

- (d) Project Emissions Accounting Test: ATP and ATPA Summary
 The Emissions Increase of the project is the sum of the emissions difference for **each emissions unit**, calculated using the Actual to Potential (ATP) test for the new emissions units and the Actual to Projected Actual (ATPA) test for existing emissions units.

$$\text{Hybrid Applicability Test} = \text{ATP}_{(\text{new unit})} + \text{ATPA}_{(\text{existing unit})}$$

- (e) Actual to Potential (ATP) Summary
 An Actual to Potential (ATP) applicability test has been conducted the new emissions units and/or the emissions units considered new for this evaluation.

$$\text{ATP}_{(\text{new unit})} = \text{PTE}_{(\text{new unit})} - \text{Baseline Emissions}_{(\text{new unit})}$$

- (f) Actual to Projected Actual (ATPA) Summary
 Pursuant to 326 IAC 2-3-1(kk)(2)(B), in lieu of determining the Projected Actual Emissions, a source may elect to use the emissions unit's potential to emit (PTE). When using the an emissions unit's PTE in lieu of using the Projected Actual Emissions, the source can NOT use Could Have Accomodated Emissions/Demand Growth Exclusions.

$$\text{ATP}_{(\text{existing unit})} = \text{PTE}_{(\text{existing unit})} - \text{Baseline Emissions}$$

See Appendix A of this Technical Support Document for detailed emission calculations. Only the nonattainment pollutants NOx and VOC are considered in the analysis.

New Emissions Units APT (tons/year)							
Process/Emissions Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Boiler SB-822	-	-	-	-	12.56	1.38	-

Existing Emissions Unit ATPA (tons/year)							
Process/Emissions Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Baseline Actual Emissions ¹	-	-	-	-	46.30	2.55	-
Boiler SB-801							
Projected Actual Emissions	-	-	-	-	0	0	-
Boiler SB-821							
Projected Actual Emissions	-	-	-	-	0	0	-
Boiler SB-820							
Projected Actual Emissions ²	-	-	-	-	19.11	1.05	-
ATPA	-	-	-	-	-27.19	-1.50	-

Project Emissions Increase (tons/year) "Project Emissions Accounting Test"							
Process/Emissions Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Boiler SB-822	-	-	-	-	12.56	1.38	-
Boiler SB-801	-	-	-	-	-27.19	-1.50	-
Boiler SB-821							
Boiler SB-820							
Project Emissions Increase³	-	-	-	-	0	0	-
Significant Levels (326 IAC 2-3-1(y))	NA	NA	NA	NA	any ⁴	any ⁴	NA

Notes:

1. Baseline period for all pollutants in July 2018 through June 2020. Baseline emissions are expressed as a total based on the combined fuel supply because fuel at each boiler was not metered.
2. Pursuant to 326 IAC 2-3-1(kk)(2)(B), the source elects to use the potential to emit of the unit as the projected actual emissions.
3. Project emissions increase shown as the greater of the sum of ATP and ATPA increases or zero.
4. The source is in an area that is in serious nonattainment of an ozone standard. Pursuant to 326 IAC 2-3-1(y), any increase in NO_x or VOC emissions in an area that is in serious nonattainment of an ozone standard that is not de minimis is a significant increase. There are no project emissions increases for NO_x or VOC and this modification is not major with regard to NO_x or VOC.

(g) Conclusion

The Permittee has provided information as part of the application for this approval that based on Project Emissions Accounting test in Appendix S to Part 51 - Emission Offset Interpretive Ruling, that this modification to an existing major EO stationary source will not be major because the "sum of the difference" as defined at section IV.I.1.(vi) of Appendix S to Part 51 - Emission Offset Interpretive Ruling is less than the EO significant levels (i.e., the modification does not cause a Significant Emissions Increase). The applicant will be required to keep records and report in accordance with 326 IAC 2-3-2(l) (Emission Offset: Applicability).

PTE of the Entire Source After Issuance of the Part 70 Modification

The table below summarizes the after issuance source-wide potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of the Part 70 source modification and administrative amendment, and only to the extent that the effect of the control equipment is made practically enforceable in the permit. If the control equipment has been determined to be integral, the table reflects the potential to emit (PTE) after consideration of the integral control device.

	Source-Wide Emissions After Issuance (ton/year)							Combined HAPs
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1,2}	SO ₂	NO _x	VOC	CO	
Total PTE of Entire Source Excluding Fugitive Emissions*	6.53	10.57	9.87	142.83	102.73	33.78	80.26	2.45

	Source-Wide Emissions After Issuance (ton/year)							
	PM ¹	PM ₁₀ ¹	PM _{2.5} ^{1, 2}	SO ₂	NO _x	VOC	CO	Combined HAPs
Title V Major Source Thresholds	NA	100	100	100	50	50	100	25
PSD Major Source Thresholds	250	250	250	250	250	250	250	--
Emission Offset Major Source Thresholds	---	NA	NA	NA	50	50	NA	--
¹ Under the Part 70 Permit program (40 CFR 70), PM ₁₀ and PM _{2.5} , not particulate matter (PM), are each considered as a "regulated air pollutant." ² PM _{2.5} listed is direct PM _{2.5} . *Fugitive HAP emissions are always included in the source-wide emissions.								

- (a) This existing minor PSD stationary source will continue to be minor under 326 IAC 2-2 because the emissions of each PSD regulated pollutant will continue to be less than the PSD major source thresholds.
- (b) This existing major Emission Offset stationary source will continue to be major under 326 IAC 2-3 because the emissions of the nonattainment pollutant(s), NO_x and VOC, will each continue to be equal to or greater than the Emission Offset major source thresholds.
- (c) This existing area source of HAP will continue to be an area source of HAP, as defined in 40 CFR 63.2, because HAP emissions will continue to be less than ten (10) tons per year for any single HAP and less than twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Federal Rule Applicability Determination

Due to the modification at this source, federal rule applicability has been reviewed as follows:

New Source Performance Standards (NSPS):

- (a) Boiler SB-822 is subject to the Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, 40 CFR 60, Subpart Dc and 326 IAC 12, because the unit is a steam generating unit, as defined at 40 CFR 60.41c, for which construction is commenced after June 9, 1989 and that has a maximum design heat input capacity of 29 megawatts (MW) (100 million British thermal units per hour (MMBtu/h)) or less, but greater than or equal to 2.9 MW (10 MMBtu/h). The maximum design heat input capacity of unit is 58.50 MMBtu/hr. The unit subject to this rule is the following:
 - One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NO_x burners, and exhausting to stack SB-822.

Boiler SB-822 is subject to the following portions of Subpart Dc.

- (1) 40 CFR 60.40c
- (2) 40 CFR 60.41c
- (3) 40 CFR 60.48c(a), (g), (i)

The requirements of 40 CFR Part 60, Subpart A – General Provisions, which are incorporated as 326 IAC 12-1, apply to the boiler SB-822 except as otherwise specified in 40 CFR 60, Subpart Dc.

- (b) There are no other New Source Performance Standards (40 CFR Part 60) and 326 IAC 12 included in the permit for this proposed modification.

National Emission Standards for Hazardous Air Pollutants (NESHAP):

- (a) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Major Sources: Industrial, Commercial, and Institutional Boilers and Process Heaters, 40 CFR 63, Subpart DDDDD and 326 IAC 20-95 are not included in the permit for boiler SB-822, since the unit is not located at, or part of, a major source of hazardous air pollutant emissions.
- (b) The requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs) for Industrial, Commercial, and Institutional Boilers Area Sources, 40 CFR 63, Subpart JJJJJJ are not included in the permit for Boiler SB-822, since, pursuant to 40 CFR 63.11195(e), a gas-fired boiler, as defined at 40 CFR 63.11237, is not subject to the subpart. Boiler SB-822 burns only gaseous fuels not combined with any solid fuel.
- (c) There are no other National Emission Standards for Hazardous Air Pollutants under 40 CFR 63, 326 IAC 14 and 326 IAC 20 included for this proposed modification.

Compliance Assurance Monitoring (CAM):

- (a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each pollutant-specific emission unit that meets the following criteria:
- (1) has a potential to emit before controls equal to or greater than the major source threshold for the regulated pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant (or a surrogate thereof); and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.
- (b) Pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act are exempt from the requirements of CAM. Therefore, an evaluation was not conducted for any emission limitations or standards proposed after November 15, 1990 pursuant to a NSPS or NESHAP under Section 111 or 112 of the Clean Air Act.

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are not applicable to any of the boiler SB-822 as part of this modification. The unit does not use a control device to comply with any emissions limitation or standard.

State Rule Applicability - Entire Source

Due to this modification, state rule applicability has been reviewed as follows:

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

PSD and Emission Offset applicability is discussed under the Permit Level Determination – PSD and the Permit Level Determination - Emission Offset Emissions Increase sections of this document.

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

The provisions of 326 IAC 2-4.1 apply to any owner or operator who constructs or reconstructs a major source of hazardous air pollutants (HAP), as defined in 40 CFR 63.41, after July 27, 1997, unless the major source has been specifically regulated under or exempted from regulation under a NESHAP that was issued pursuant to Section 112(d), 112(h), or 112(j) of the Clean Air Act (CAA) and incorporated

under 40 CFR 63. On and after June 29, 1998, 326 IAC 2-4.1 is intended to implement the requirements of Section 112(g)(2)(B) of the Clean Air Act (CAA).

The operation of boiler SB-822 will emit less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply.

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 certifications 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.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

This source (located in Lake County) is not one of the sources specifically listed in 326 IAC 6.8-4, 326 IAC 6.8-5, or 326 IAC 6.8-8 through 326 IAC 6.8-11. The source-wide unlimited PTE of PM is less than 10 tons per year; therefore, the source-wide actual emissions of PM are less than 10 tons per year. This source is not subject to the requirements of 326 IAC 6.8-1-2 because the source-wide PTE of PM is less than 100 tons per year and source-wide actual emissions of PM are less than 10 tons per year.

326 IAC 6.8 (Particulate Matter Limitations for Lake County)

This source (located in Lake County) is one of the sources specifically listed in 326 IAC 6.8-10-1(a)(2). Therefore, the facilities specifically identified in 326 IAC 6.8-10 are subject to the requirements of 326 IAC 6.8-10. All other facilities not specifically identified in 326 IAC 6.8-10 have a combined unlimited PTE of PM less than 10 tons per year; therefore, the combined actual emissions of PM from these facilities are less than 10 tons per year. Therefore, all other facilities not specifically identified in 326 IAC 6.8-10 are not subject to the requirements of 326 IAC 6.8-1-2 because these facilities have a combined PTE of PM of less than 100 tons per year and actual emissions of PM of less than 10 tons per year.

State Rule Applicability – Individual Facilities

Due to this modification, state rule applicability has been reviewed as follows:

326 IAC 6-2-4 (Particulate Matter Emission Limitations for Sources of Indirect Heating)

Pursuant to 326 IAC 6-2-1(d), indirect heating facilities which received permit to construct after September 21, 1983 are subject to the requirements of 326 IAC 6-2-4.

The particulate matter emissions (Pt) shall be limited by the following equation:

$$Pt = \frac{1.09}{Q^{0.26}}$$

Where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu).

Q = Total source maximum operating capacity rating in MMBtu/hr heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

Indirect Heating Units Which Began Operation After September 21, 1983						
Facility	Construction Date (Removal Date)	Operating Capacity (MMBtu/hr)	Q (MMBtu/hr)	Calculated Pt (lb/MMBtu)	Particulate Limitation, (Pt) (lb/MMBtu)	PM PTE based on AP-42 (lb/MMBtu)
Units Operating Prior to 9/21/1983						
SB-801	1981 (2022)	36.00	36.00	-	-	-
Units that commenced operation on or after 9/21/1983						
H-301	1989	20.00	56.00	0.38	0.38	0.002
SB-821	1990 (2022)	42.50	152.80	0.29	0.29	0.002
H-201	1990	27.30				
H-401	1990	15.30				
H-402	1990	11.70				
SB-820	1991	44.50	197.30	0.28	0.28	0.002
H-302	1992	15.10	212.40	0.27	0.27	0.002
H-404	1994	9.00	221.40	0.27	0.27	0.002
H-406	2002	20.00	240.40	0.26	0.26	0.002
SB-822	2022	58.50	220.40	0.27	0.27	0.002
Where: Q = Includes the capacity (MMBtu/hr) of the new unit(s) and the capacities for those unit(s) which were in operation at the source at the time the new unit(s) was constructed.						
Note: Emission units shown in strikethrough were subsequently removed from the source. The effect of removing these units on "Q" is shown in the year the boiler was removed.						

Note that calculations in previous permits were incorrect. The former calculations did not include boiler SB-801 in determining the total value of Q.

326 IAC 7-1.1 (Lake County Sulfur Dioxide Emission Limitations)

Pursuant to 326 IAC 7-1.1-1, 326 IAC 7-1.1 applies to emissions units with a potential to emit twenty-five (25) tons per year or ten (10) pounds per hour of sulfur dioxide. The potential to emit sulfur dioxide of boiler SB-822 is 0.15 ton per year or 0.03 pound per hour. Therefore, the limitations in 326 IAC 7-1.1-2, the compliance test methods in 326 IAC 7-2, and the sulfur dioxide emission limitations and other requirements under 326 IAC 7-4.1 do not apply to boiler SB-822.

326 IAC 7-4.1 (Lake County Sulfur Dioxide Emission Limitations)

Pursuant to 326 IAC 7-4.1-1, the requirements of 326 IAC 7-4.1 do not apply to boiler SB-822, because the unit is not subject to 326 IAC 7-1.1.

326 IAC 8-1-6 (VOC Rules: General Reduction Requirements for New Facilities)

Even though boiler SB-822 was constructed after January 1, 1980, it is not subject to the requirements of 326 IAC 8-1-6 because its unlimited VOC potential emissions are less than twenty-five (25) tons per year.

326 IAC 9-1 (Carbon Monoxide Emission Limits)

The requirements of 326 IAC 9-1 do not apply to boiler SB-822, because this source does not operate a catalyst regeneration petroleum cracking system or a petroleum fluid coker, grey iron cupola, blast furnace, basic oxygen steel furnace, or other ferrous metal smelting equipment.

326 IAC 10 (Nitrogen Oxides Rules)

- (a) The requirements of 326 IAC 10-1 (Nitrogen Oxides Control in Clark and Floyd Counties) do not apply to boiler SB-822 because the source is not located in Clark or Floyd Counties.
- (b) The requirements of 326 IAC 10-2 (NO₂ Emissions from Large Affected Units) do not apply to boiler SB-822 because the unit is not a large affected unit as defined at 326 IAC 10-2-2(c)(11). The unit does not meet the applicability criteria in 326 IAC 10-2-1(b).
- (c) The requirements of 326 IAC 10-3 (Nitrogen Oxide Reduction Program for Specific Source Categories) do not apply to boiler SB-822 because this unit is not a blast furnace gas-fired boiler, a Portland cement kiln, or a facility specifically listed in 326 IAC 10-3-1(a)(2).
- (d) The requirements of 326 IAC 10-5 (Nitrogen Oxide Reduction Program for Internal Combustion Engines (ICE)) do not apply to boiler SB-822 because the unit is not a large NO_x SIP Call engine as defined at 326 IAC 10-5-2(4).
- (e) The requirements of 326 IAC 10-6 (Nitrogen Oxides Emission Limitations for Southern Indiana Gas and Electric Company) do not apply to boiler SB-822 because the unit is not Southern Indiana Gas and Electric Company (SIGECO) Culley Unit 3 in Warrick County.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to assure 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.

There are no new or modified compliance requirements included with this modification.

Proposed Changes

As part of this permit approval, the permit may contain new or different permit conditions and some conditions from previously issued permits/approvals may have been corrected, changed, or removed. These corrections, changes, and removals may include Title I changes.

The following changes listed below are due to the proposed modification. Deleted language appears as ~~strikethrough~~ text and new language appears as **bold** text (these changes may include Title I changes):

- (1) IDEM, OAQ made the following changes to Condition A.2 - Emission Units and Pollution Control Equipment Summary and corresponding paragraphs of the Section D.1 emissions unit description:
 - The former paragraph (a) is deleted because boiler SB-801 is removed from the source.
 - A new paragraph (a) is inserted to incorporate the new boiler SB-822.
 - The former paragraph A.2(c) is deleted and reserved and paragraph (c) is deleted from the Section D.1 emissions unit description because boiler SB-821 is removed from the source.

- (2) Boilers SB-801 and SB-821 are deleted from paragraph D.1.1(a) because the units are removed from the source.
- (3) Condition D.1.2 - Particulate is deleted and reserved because boiler SB-801 is removed from the source.
- (4) IDEM, OAQ made the following changes to Condition D.1.3 - Particulate Emissions:
 - The title, text, and table format are revised to current model language.
 - Boiler SB-821 is deleted from the table because the unit is removed from the source.
 - Corrections shown in the State Rule Applicability - Individual Units section are incorporated for existing units.
 - The new boiler SB-822 is added to the table.
- (5) IDEM, OAQ made the following changes to Section E.2:
 - The former paragraph (a) in the emissions unit description is revised to the current model format and re-lettered as (b) for consistency with Condition A.2.
 - The former paragraph (b) in the emissions unit description is deleted because SB-821 is removed from the source.
 - A new paragraph (a) is inserted in the emissions unit description to incorporate the new boiler SB-822.
 - Condition E.2.2 - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units NSPS is revised to current model language.

The entire permit has been revised as follows:

SECTION A SOURCE SUMMARY

...

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) ~~One (1) natural gas-fired boiler, identified as SB-801, installed in 1981, with a maximum capacity of 36.0 MMBtu/hr, and exhausting through stack SB-801.~~
- (a) **One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack SB-822.**

Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.

- (b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.
- (c) ~~One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.~~ **Reserved**
- (d) ...

SECTION D.1 EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description:

- (a) ~~One (1) natural gas-fired boiler, identified as SB-801, installed in 1981, with a maximum capacity of 36.0 MMBtu/hr, and exhausting through stack SB-801.~~
- (a) **One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack SB-822.**

- Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.**

- (b) One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.

- (c) ~~One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.~~

- (d) ...

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Sulfur Dioxide (SO₂) Emission Limitations [326 IAC 7-4.1-16]

- (a) Pursuant to 326 IAC 7-4.1-16(1), Boilers ~~SB-801, SB-820, and SB-821~~, and Process Heaters H-302 and H-404 shall use natural gas only.

- (b) ...

D.1.2 Particulate [326 IAC 6-2-2] **Reserved**

~~Pursuant to 326 IAC 6-2-2 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions from boiler SB-801, which was existing and in operation after June 8, 1972 and prior to September 21, 1983, shall be limited to 0.49 pounds per MMBtu heat input.~~

D.1.3 Particulate **Emissions** [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating), the PM emissions from the following units shall be limited to ~~Pt pounds per MMBtu heat input~~, as follows **the PM emission limit (Pt) in pounds per MMBtu heat input as specified in the following table:**

Emission Unit	Unit ID	Pt (lb/MMBtu)
Heater	H-301	0.50
Boiler	SB-821	0.32
Heater	H-201	0.32 0.29
Heater	H-401	0.32 0.29
Heater	H-402	0.32 0.29
Boiler	SB-820	0.29 0.28
Heater	H-302	0.28 0.27
Heater	H-404	0.28 0.27
Heater	H-406	0.27 0.26
Boiler	SB-822	0.27

...

Emissions Unit Description:	
(a)	One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an existing affected facility.
(b)	One (1) natural gas-fired boiler, identified as SB-821, installed in 1990, with a maximum capacity of 42.5 MMBtu/hr, and exhausting through stack SB-821. Under 40 CFR 60, Subpart Dc, this is considered an existing affected facility.
(a)	One (1) natural gas fired boiler, identified as SB-822, approved in 2022 for construction, with a maximum heat input capacity of 58.5 MMBtu/hr, using low NOx burners, and exhausting to stack SB-822. Under the NSPS, 40 CFR 60, Subpart Dc, boiler SB-822 is an affected facility.
(b)	One (1) natural gas-fired boiler, identified as SB-820, installed in 1991, with a maximum capacity of 44.5 MMBtu/hr, and exhausting through stack SB-820. Under 40 CFR 60, Subpart Dc, this is considered an affected facility.
(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)	

...

E.2.2 ~~New Source Performance Standards~~ of Performance for Small Industrial-Commercial-Institutional Steam Generating Units NSPS [326 IAC 12] [40 CFR Part 60, Subpart Dc]

The Permittee shall comply with the following provisions of 40 CFR Part 60, Subpart Dc (included as Attachment C to the operating permit), which are incorporated by reference as 326 IAC 12, for the emission units listed above:

- (1) 40 CFR 60.40c;
- (2) 40 CFR 60.41c; ~~and~~
- (3) 40 CFR 60.48c (a), (g), (i)

...

Conclusion and Recommendation

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant. An application for the purposes of this review was received on March 21, 2022.

The construction of this proposed modification shall be subject to the conditions of the attached proposed Part 70 Minor Source Modification No. 089-45246-00301. The operation of this proposed modification shall be subject to the conditions of the attached proposed Administrative Amendment No. 089-45254-00301.

The staff recommends to the Commissioner that the Part 70 Minor Source Modification be approved.

IDEM Contact

- (a) If you have any questions regarding this permit, please contact Doug Logan, 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) 234-5328 or (800) 451-6027, and ask for Doug Logan or (317) 234-5328.
- (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 Air Permits page on the Internet at: <https://www.in.gov/idem/airpermit/public-participation/>; and the Citizens' Guide to IDEM on the Internet at: <https://www.in.gov/idem/resources/citizens-guide-to-idem/>.

**Appendix A: Emission Calculations
PTE Summary**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Uncontrolled Potential to Emit (tons/yr)								
Emission Unit	PM	PM ₁₀	PM _{2.5} ¹	SO ₂	NO _x	VOC	CO	Combined HAPs
Natural gas-fired boilers and process heaters (SB-820, H-302, and H-404)	0.56	2.24	2.24	0.18	29.46	1.62	24.74	0.56
Boiler SB-822	0.48	1.91	1.91	0.15	12.56	1.38	21.10	0.47
Process Heater H-201	1.71	2.05	1.79	36.38	17.62	0.64	9.85	0.42
Process Heater H-301	1.25	1.50	1.31	26.66	12.51	0.47	7.21	0.20
Process Heater H-401	0.96	1.15	1.01	67.01	9.88	0.36	5.52	0.33
Process Heater H-402	0.73	0.88	0.77	15.59	7.32	0.28	4.22	0.12
Process Heater H-406	0.80	0.80	0.80	36.79	12.91	0.47	7.21	0.27
Storage Tanks ²	-	-	-	-	-	3.39	-	-
Emergency flare	0.04	0.04	0.04	0.16	0.47	0.07	0.40	-
Gasoline Dispensing Facility	-	-	-	-	-	0.02	-	-
Degreasing Operations	-	-	-	-	-	33.74	-	0.09
Railcar Loading	-	-	-	-	-	4.91	-	-
Truck Loading	-	-	-	-	-	3.83	-	-
Barge Loading	-	-	-	-	-	1.32	-	-
Total	6.53	10.57	9.87	182.93	102.73	52.52	80.26	2.45
<i>Fugitive Emissions</i>								
Fugitive particulate from roads	16.18	3.39	0.74	-	-	-	-	-

Notes:

1. PM_{2.5} listed is direct PM_{2.5}

2. Storage tanks emissions determined using U.S. EPA's Tanks Software, Version 4.0.9d. Sum of storage tank PTE from Administrative Amendment No. 089-33455-00301, issued on September 23, 2013 and vessels added in Part 70 Renewal No. 089-40580-00301, issued on December 12, 2019

Potential to Emit after Issuance ¹ (tons/yr)								
Emission Unit	PM	PM ₁₀	PM _{2.5} ²	SO ₂	NO _x	VOC	CO	Combined HAPs
Natural gas-fired boilers and process heaters (SB-801, SB-820, SB-821, H-302, and H-404)	0.56	2.24	2.24	0.18	29.46	1.62	24.74	0.56
Boiler SB-822	0.48	1.91	1.91	0.15	12.56	1.38	21.10	0.47
Process Heater H-201	1.71	2.05	1.79	60.00	17.62	0.64	9.85	0.42
Process Heater H-301	1.25	1.50	1.31	47.30	12.51	0.47	7.21	0.20
Process Heater H-401	0.96	1.15	1.01	35.04	9.88	0.36	5.52	0.33
Process Heater H-402	0.73	0.88	0.77	12.91	7.32	0.28	4.22	0.12
Process Heater H-406	0.80	0.80	0.80	12.91	0.47	0.47	7.21	0.27
Storage Tanks	-	-	-	-	-	3.39	-	-
Emergency flare	0.04	0.04	0.04	0.16	0.47	0.07	0.40	-
Gasoline Dispensing Facility	-	-	-	-	-	0.02	-	-
Degreasing Operations	-	-	-	-	-	15.00	-	0.09
Railcar Loading	-	-	-	-	-	4.91	-	-
Truck Loading	-	-	-	-	-	3.83	-	-
Barge Loading	-	-	-	-	-	1.32	-	-
Total	6.53	10.57	9.87	142.83	102.73	33.78	80.26	2.45

Notes:

1. The shaded cells indicate where limits are included.

2. PM_{2.5} listed is direct PM_{2.5}

**Appendix A: Emission Calculations
Modification Summary**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Uncontrolled Potential to Emit of the New Unit (tons/yr)										
Emission Unit	PM	PM ₁₀	PM _{2.5} ¹	SO ₂	NOx		VOC		CO	Combined HAPs
					(lb/day)	(tons/yr)	(lb/day)	(tons/yr)		
SB-822	0.48	1.91	1.91	0.15	68.82	12.56	7.57	1.38	21.10	0.47

Notes:

- PM_{2.5} listed is direct PM_{2.5}*
- Pursuant to 326 IAC 2-7-10.5(e)(2), for a source in Lake County or Porter County with the potential to emit twenty-five (25) tons per year of either VOC or NOx, any modification that would result in an increase in emissions of either pollutant of greater than or equal to fifteen (15) pounds of VOC or twenty five (25) pounds of NOx per day shall be processed in accordance with the minor modification procedures at 326 IAC 2-7-10.5(f).*

**Appendix A: Emission Calculations
Project Emissions Accounting**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

New Emissions Units ¹ (ton/yr)							
Process/Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
SB-822	-	-	-	-	12.56	1.38	-

Existing Emissions Units ATPA (ton/yr)							
Process/Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Baseline ² Emissions (SB-801, SB-820, SB-821)	-	-	-	-	46.30	2.55	-
Projected Actual Emissions, SB-820 ³	-	-	-	-	19.11	1.05	-
Projected Actual Emissions, SB-801	-	-	-	-	0	0	-
Projected Actual Emissions, SB-821	-	-	-	-	0	0	-
ATPA	-	-	-	-	-27.19	-1.50	-

Project Emissions Increase (tons/yr)							
Process/Emission Unit	PM	PM ₁₀	PM _{2.5}	SO ₂	NO _x	VOC	CO
Sum of New Emission Units	-	-	-	-	12.56	1.38	-
Sum of ATPA Increases	-	-	-	-	-27.19	-1.50	-
Project Emissions Increase⁴	-	-	-	-	0	0	-
Significant Levels (326 IAC 2-3-1(y))	NA	NA	NA	NA	any ⁵	any ⁵	NA

Notes:

1. Only the nonattainment pollutants, NO_x and VOC, are shown.
2. The baseline period for all pollutants is July 2018 through June 2020.
3. Pursuant to 326 IAC 2-3-1(kk)(2)(B), the source elects to use the unit's potential to emit as the projected actual emissions.
4. Project emissions increase shown as the greater of the sum of ATP and ATPA increases or zero.
5. There is no project emissions increase of any regulated pollutant under EO (326 IAC 2-3).

Appendix A: Emission Calculations
Loading

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

According to AP-42, Chapter 5.2 - Transportation and Marketing of Petroleum Liquids (01/95), the VOC emission factors for the truck and rail loading racks can be estimated from the following equation:

$$L_L = 12.46 \times (\text{SPM})/T$$

where:

L_L = loading loss (lbs/1,000 gal)
 S = a saturation factor (see AP-42, Table 5.2-1)
 = 1.45 rail cars, splash loading of a clean cargo tank
 P = true vapor pressure of the liquid loaded (psia) (representative case, No. 6 fuel oil properties from AP-42 Table 7.1-2, June 2020)
 = $\exp(A - B/T)$, where A and B are product-specific coefficients found in AP-42 Table 7.1-2
 M = molecular weight of vapors (lb/lb-mole) (representative case, No. 6 fuel oil properties from AP-42 Table 7.1-2, June 2020)
 = 270.9 lb/lb-mole, provided by the source
 T = 533.15 °R, temperature of the bulk liquid loaded
 (maximum monthly (July) average temperature, Chicago, IL, from TANKS meteorological data)

A. Railcar Loading

Uncontrolled Potential to Emit									
Product Loaded	Maximum Throughput (1,000 gal/hr)	S	M (lb/lb-mole)	T (°R)	P (psia)	L_L (lb/1,000 gal)	Potential to Emit		
							(lb/hr)	(lb/day)	(tons/yr)
Hydraulic oil	48	1.45	270.9	533.15	0.0025	2.34E-02	1.12	26.90	4.91

Methodology

Maximum throughput of 800 gal/min (2 pumps), provided by the source
 Maximum Throughput (kgal/hr) = 800 (gal/min) x 60 (min/hr) / 1,000 (gal/1,000 gal)
 Potential to Emit (lb/hr) = Maximum Throughput (1,000 gal/hr) x L_L (lb/1,000 gal)
 PTE (tons/yr) = PTE (lb/hr) x 8,760 (hr/yr) / 2,000 (lb/ton)

B. Truck Loading

The source has provided no information about truck loading operations. However, fugitive emissions calculations for roads suggest a maximum of 30 vehicles per day. Considering each tank truck as 6,000 gallons of jet kerosene as a worst-case product surrogate and applying the Clausius-Clapeyron vapor pressure correlation coefficients from AP-42 Table 7.1-2, the potential to emit of truck loading is:

Uncontrolled Potential to Emit									
Product Loaded	Maximum Throughput (1,000 gal/hr)	S	M (lb/lb-mole)	T (°R)	P (psia)	L_L (lb/1,000 gal)	Potential to Emit		
							(lb/hr)	(lb/day)	(tons/yr)
surrogate (jet kerosene)	7.5	1.45	270.9	533.15	0.0127	1.17E-01	0.88	21.01	3.83

Methodology

Maximum Throughput (1,000 gal/hr) = [6,000 (gal/tanker) / 1,000 (gal/1,000 gal)] x 30 (tanker/day) / 24 (hr/day)
 Potential to Emit (lb/hr) = Maximum Throughput (1,000 gal/hr) x L_L (lb/1,000 gal)
 PTE (tons/yr) = PTE (lb/hr) x 8,760 (hr/yr) / 2,000 (lb/ton)

C. Barge Loading

The source has provided no information about barge loading operations. However, fugitive emissions calculations for roads suggest a maximum of 30 vehicles per day. Considering each tank truck as 6,000 gallons of jet kerosene as a worst-case product surrogate and applying the Clausius-Clapeyron vapor pressure correlation coefficients from AP-42 Table 7.1-2, the potential to emit of barge loading is:

Uncontrolled Potential to Emit									
Product Loaded	Maximum Throughput (1,000 gal/hr)	S^1	M (lb/lb-mole)	T (°R)	P (psia)	L_L (lb/1,000 gal)	Potential to Emit		
							(lb/hr)	(lb/day)	(tons/yr)
surrogate (jet kerosene)	7.5	0.5	270.9	533.15	0.0127	4.02E-02	0.30	7.24	1.32

Notes:

1. S factor from Table 5.2-1 is 0.5, submerged loading; barges

Methodology

Maximum Throughput (1,000 gal/hr) = [6,000 (gal/tanker) / 1,000 (gal/1,000 gal)] x 30 (tanker/day) / 24 (hr/day)
 Potential to Emit (lb/hr) = Maximum Throughput (1,000 gal/hr) x L_L (lb/1,000 gal)
 PTE (tons/yr) = PTE (lb/hr) x 8,760 (hr/yr) / 2,000 (lb/ton)

D. Railcar Washing

The rail loading process includes a washing operation that uses a water-based cleaning solution. Cleaning solution is treated in the wastewater treatment system at the source. VOC emissions from the tank car washing process may be considered negligible. Cleaning uses a relatively small volume of solution and does not displace a significant volume of VOC vapor from the tank car.

Appendix A: Emission Calculations
Tanks declared in 2019

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

1. Tanks permitted prior to Part 70 Renewal No. 089-40580-00301, issued on December 12, 2019

Tank ID ¹	Construction Year	Permit Capacity (gal)	VOC PTE ² (tons/yr)	Tank ID ¹	Construction Year	Permit Capacity (gal)	VOC PTE ² (tons/yr)	
T-9	1968	20,000	1.21	T-939	1989	640,000	2.16	
T-26	1968	19,110		T-941	1989	29,611		
T-27	1968	19,110		T-942	1989	29,611		
T-51	1993	4,000,000		T-944	1989	29,611		
T-52	1966	126,000		T-945	1989	29,611		
T-101	1989	30,000		T-946	1989	29,617		
T-102	1989	30,000		T-947	1989	29,617		
T-103	1989	30,000		T-948	1989	29,611		
T-104	1989	30,000		T-949	1989	29,611		
T-105	1989	30,000		T-950	1989	9,024		
T-106	1989	30,000		T-951	1989	29,611		
T-107	1989	30,000		T-952	1989	29,611		
T-108	1989	30,000		T-953	1993	29,611		
T-109	1989	20,000		T-954	1993	29,611		
T-110	1989	30,000		T-955	1994	128,520		
T-111	1989	30,000		T-961	1994	30,000		
T-112	1989	30,000		T-962	1994	30,000		
T-120	1989	15,000		T-970	2009	2,000,000		
T-121	1989	15,000		T-971	2009	1,000,000		
T-150	2009	4,000,000		T-972	2009	1,000,000		
T-651	1989	30,401		T-973	2009	1,000,000		
T-652	1989	30,401		T-974	2009	1,000,000		
T-653	1989	30,401		T-975	2009	1,000,000		
T-654	1989	30,401		T-981	1989	29,611		
T-901	1989	640,000		T-982	1989	29,611		
T-902	1989	640,000		T-983	2005	30,000		
T-903	1989	640,000		T-513	2011	30,000		
T-904	1989	640,000		T-514	2011	30,000		
T-905	1989	120,000		T-521	2011	30,000		
T-906	1989	30,598		T-522	2011	30,000		
T-907	1989	30,598		T-523	2011	30,000		
T-908	1989	170,000		T-531	2011	30,000		
T-911	1989	120,000		T-532	2011	30,000		
T-912	1993	30,000		T-551	2011	30,000		
T-913	1993	30,000		T-552	2011	30,000		
T-914	1993	31,208		T-553	2011	30,000		
T-915	1993	31,208		T-554	2011	30,000		
T-916	1993	31,208		T-555	2011	30,000		
T-917	1995	31,208		T-556	2011	30,000		
T-931	1989	29,611		T-561	2011	30,000		
T-932	1989	29,611		T-562	2011	30,000		
T-933	1989	29,617		T-563	2011	30,000		
T-934	1989	29,617		T-564	2011	30,000		
T-935	1989	29,611		T-565	2011	30,000		
T-936	1989	29,611		T-571	2011	30,000		
T-937	1989	300,000		T-595	2011	30,000		
T-938	1989	170,000		T-909	2013	3,500,000		1.20E-03
Total								

Notes:

1. All tanks of fixed roof construction except T-911 that was identified as a floating roof in Operating Permit 089-00301, issued on March 5, 1991

2. PTE taken from historical permits, as follows:

T-9 - T-983, Part 70 Operating Permit Renewal No. 089-25906, issued on September 29, 2009

T-513-T-595, Administrative Amendment No. 089-31029-00301, issued on November 9, 2011

T-909, Administrative Amendment No. 089-33455, issued on September 23, 2013

Each reference notes that tank PTE was determined using TANKS 4.0.9d

Appendix A: Emission Calculations
Tanks declared in 2019

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

2. Tanks Permitted in Part 70 Renewal No. 089-40580-00301

Tank ID	Tank Type	Year of Constuction	Liquid contents	VP (psia)	Volume (gal)	Annual Turnovers	Net Throughput (gal/yr)	Annual Standing Losses (lb/yr)	Annual Working Losses (lb/yr)	Total VOC Annual Losses (lb/yr)
T-515	VFR	2014	Lube Oil	0.0007	11,656.41	17	198,158.94	0.1807	0.5379	0.7186
T-536	VFR	2014	Lube Oil	0.0007	32,122.69	23	738,821.81	0.4417	2.0054	2.4471
T-537	VFR	2014	Lube Oil	0.0007	11,280.39	5	56,401.97	0.1807	0.1531	0.3338
T-538	VFR	2014	Lube Oil	0.0007	11,280.39	30	338,411.85	0.1807	0.9185	1.0993
T-542	VFR	2014	Lube Oil	0.0007	11,280.39	19	214,327.50	0.1807	0.5817	0.7625
T-976	Horizontal	2017	Residual Oil /Asphalt flux	0.0002	888,300.00	5	4,441,500.00	24.2436	3.8176	28.0612

Total VOC losses (lb/yr): 33.4225

Total VOC losses (ton/yr): 1.67E-02

VFR: Vertical Fixed Roof

Data provided by the source in permit application for Permit 089-40580-00301

Other tanks

Tank ID	Year of Construction	Liquid contents	Volume (gal)
T-701	1991	Virgin caustic soda solution	30,000.00
T-702	1991	Spent caustic soda solution	30,000.00
T-703	1991	Batch day caustic soda solution	158.00
T-704	1991	Spent caustic soda solution	4,000.00

**Appendix A: Emission Calculations
Emergency Flare**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Total emissions during emergency flare events

	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
Total emissions during emergency events in tons/yr*	0.04	0.04	0.04	0.16	0.47	0.07	0.40

*Data provided by the source, with the exception of direct PM2.5, which were deemed the same as PM10.

The total emissions during emergency events are the sum of pilot emissions and emissions due to the combustion of waste gases.

**Appendix A: Emission Calculations
Gasoline Dispensing Facility**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

$$\begin{aligned} \text{Splash filling of above-ground tank} &= \text{avg. splash filling rate (lb/1,000 gal)} * \text{throughput (gal/yr)} * (1 \text{ ton}/2,000 \text{ lb}) \\ &= 11.5 \text{ (lb/1,000 gal)} \times 2,000 \text{ (gal/yr)} / 1,000 \text{ (gal/1,000 gal)} / 2,000 \text{ (tons/gal)} = 0.0115 \text{ (ton/yr)} \end{aligned}$$

$$\begin{aligned} \text{Breathing losses from the above-ground tank} &= \text{avg. breathing rate (lb/1,000 gal)} * \text{throughput (gal/yr)} * (1 \text{ ton}/2,000 \text{ lb}) = \\ &= 1 \text{ (lb/1,000 gal)} \times 2,000 \text{ (gal/yr)} / 1,000 \text{ (gal/1,000 gal)} / 2,000 \text{ (tons/gal)} = 0.001 \text{ (ton/yr)} \end{aligned}$$

$$\begin{aligned} \text{Vapors displaced during vehicle refueling} &= \text{avg. displaced vapors rate (lb/1,000 gal)} * \text{throughput (gal/yr)} * (1 \text{ ton}/2,000 \text{ lb}) = \\ &= 11 \text{ (lb/1,000 gal)} \times 2,000 \text{ (gal/yr)} / 1,000 \text{ (gal/1,000 gal)} / 2,000 \text{ (tons/gal)} = 0.011 \text{ (ton/yr)} \end{aligned}$$

$$\begin{aligned} \text{Spillage losses during vehicle refueling} &= \text{avg. spillage loss rate (lb/1,000 gal)} * \text{throughput (gal/yr)} * (1 \text{ ton}/2,000 \text{ lb}) = \\ &= 0.7 \text{ (lb/1,000 gal)} \times 2,000 \text{ (gal/yr)} / 1,000 \text{ (gal/1,000 gal)} / 2,000 \text{ (tons/gal)} = 0.0007 \text{ (ton/yr)} \end{aligned}$$

$$\text{Total VOC emission due to the operation of the GDF} = \text{sum of losses from all sources} = 0.0242 \text{ (ton/yr)}$$

Note: avg. splash filling rate, avg. breathing rate, avg. displaced vapors rate, and avg. spillage loss rate were taken from Table 5.2-7 (Evaporative Emissions from Gasoline Service Station Operations) of AP-42.

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Description	Unit ID	Heat Input Capacity (MMBtu/hr)
Boiler	SB-820	44.50
Process heater	H-302	15.10
Process heater	H-404	9.00
Total		68.60

Heat Input Capacity MMBtu/hr	HHV mmBtu mmscf	Potential Throughput MMCF/yr
68.60	1020	589.2

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	100	5.5	84
					**see below		
Potential Emission in tons/yr	0.56	2.24	2.24	0.18	29.46	1.62	24.74

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

PM2.5 emission factor is filterable and condensable PM2.5 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

Emission Factor in lb/MMcf	HAPs - Organics					
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	6.19E-04	3.53E-04	2.21E-02	0.53	1.00E-03	0.55

Emission Factor in lb/MMcf	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.47E-04	3.24E-04	4.12E-04	1.12E-04	6.19E-04	1.61E-03
					Total HAPs	0.56
					Worst HAP	0.53

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Description	Unit ID	Heat Input Capacity (MMBtu/hr)
Boiler	SB-822	58.50
Heat Input Capacity MMBtu/hr	HHV mmBtu/mmscf	Potential Throughput MMCF/yr
58.50	1020	502.4

Emission Factor in lb/MMCF	Pollutant						
	PM*	PM10*	direct PM2.5*	SO2	NOx	VOC	CO
	1.9	7.6	7.6	0.6	50 **see below	5.5	84
Potential Emission in tons/yr	0.48	1.91	1.91	0.15	12.56	1.38	21.10

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
 PM2.5 emission factor is filterable and condensable PM2.5 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Methodology

All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

HAPS Calculations

HAPs - Organics						
Emission Factor in lb/MMcf	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Total - Organics
	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03	
Potential Emission in tons/yr	5.28E-04	3.01E-04	1.88E-02	0.45	8.54E-04	0.47

HAPs - Metals						
Emission Factor in lb/MMcf	Lead	Cadmium	Chromium	Manganese	Nickel	Total - Metals
	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03	
Potential Emission in tons/yr	1.26E-04	2.76E-04	3.52E-04	9.55E-05	5.28E-04	1.38E-03
					Total HAPs	0.47
					Worst HAP	0.45

Methodology is the same as above.

The five highest organic and metal HAPs emission factors are provided above.
 Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Uncontrolled/Unlimited Emissions Calculations
Multi-Fuel Process Heaters
MM BTU/HR <100

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

	Maximum Fuel Input Rate (MMBtu/hr)	Equivalent Natural Gas Usage (MMCF/yr)	Equivalent No. 2 Fuel Oil Usage (kgal/yr)	Fuel Oil% Sulfur	Equivalent Off-Gas Usage (MMCF/yr)	Off-Gas % Sulfur
Unit H-201	27.3	234.45882	1708.2	0.3	251.73474	0.15
Unit H-301	20	171.76471	1251.4286	0.3	NA	NA
Unit H-401	15.3	131.4	957.34286	0.3	141.08211	1
Unit H-402	11.7	100.48235	732.08571	0.3	NA	NA
Unit H-406	20	171.76471	1251.4286	0.3	184.42105	0.42

Criteria Pollutant	Emission Factor (units)			H-201 Uncontrolled/Uncontrolled Potential to Emit (tons/yr)			H-301 Uncontrolled/Uncontrolled Potential to Emit (tons/yr)		H-401 Uncontrolled/Uncontrolled Potential to Emit (tons/yr)			H-402 Uncontrolled/Uncontrolled Potential to Emit (tons/yr)		H-406 Uncontrolled/Uncontrolled Potential to Emit (tons/yr)		
	Natural Gas (lb/MMCF)	No. 2 Fuel Oil (lb/kgal)	Process Off-gas (lb/MMCF)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Process Off-gas (tons/yr)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Process Off-gas (tons/yr)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Natural Gas (tons/yr)	-	Process Off-gas (tons/yr)
PM	1.9	2.0	8.7	0.2227	1.7082	1.0950	0.1632	1.2514	0.1248	0.9573	0.6137	0.0955	0.7321	0.1632	-	0.8022
PM10	7.6	2.4	8.70	0.8909	2.0498	1.0950	0.6527	1.5017	0.4993	1.1488	0.6137	0.3818	0.8785	0.6527	-	0.8022
PM2.5	7.6	2.1	8.70	0.8909	1.7936	1.0950	0.6527	1.3140	0.4993	1.0052	0.6137	0.3818	0.7687	0.6527	-	0.8022
SO2 (H-201)	0.6	42.6	142.5	0.0703	36.3847	17.9361	0.0515	26.6554	0.0394	20.3914	67.0140	0.0301	15.5934	0.0515	-	36.7920
SO2 (H-401)			950													
SO2 (H-406)			399													
NOx	100	20.0	140.00	11.7229	17.0820	17.6214	8.5882	12.5143	6.5700	9.5734	9.8757	5.0241	7.3209	4.2941	-	12.9095
VOC	5.5	0.34	2.8	0.6448	0.2904	0.3524	0.4724	0.2127	0.3614	0.1627	0.1975	0.2763	0.1245	0.4724	-	0.2582
CO	84	5.0	35.00	9.8473	4.2705	4.4054	7.2141	3.1286	5.5188	2.3934	2.4689	4.2203	1.8302	7.2141	-	3.2274
CO2	120000	21500.00	120000	14067.5	18363.2	15104.1	10305.9	13452.9	7884.0	10291.4	8464.9	6028.9	7869.9	10305.9	-	11065.3
CH4	2.3	0.22	2.3	0.3	0.2	0.3	0.2	0.1	0.2	0.1	0.1622	0.1	0.1	0.2	-	0.2
N2O	2.2	0.26	2.2	0.3	0.2	0.3	0.2	0.2	0.1	0.1	0.1552	0.1	0.1	0.1	-	0.2
CO2e 11/29/2013 GWPs				14151.1	18433.9	15193.8	10367.1	13504.7	7930.9	10331.1	8515.2	6064.8	7900.3	10327.2	-	11131.0

NOTE: H406 is equipped with a low-NOx burner. Natural gas EF used for NOx is 50. Natural gas EF used for N2O is 0.64.

Natural Gas Methodology:

PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.
 PM2.5 emission factor is filterable and condensable PM2.5 combined.
 Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32
 All emission factors are based on normal firing.
 MMBtu = 1,000,000 Btu
 MMCF = 1,000,000 Cubic Feet of Gas
 Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-06
 Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,020 MMBtu
 Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
 The N2O Emission Factor for uncontrolled is 2.2. The N2O Emission Factor for low NOx burner is 0.64.
 GHG Emission Factors are from AP 42, Table 1.4-2 SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03.

No. 2 Fuel Oil Methodology:

1 gallon of No. 2 Fuel Oil has a heating value of 140,000 Btu
 Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 gal per 1000 gallon x 1 gal per 0.140 MM Btu
 Emission Factors are from AP 42, Tables 1.3-1, 1.3-2, and 1.3-3 (SCC 1-03-005-01/02/03) Supplement E 9/98 (see erata file)
 PM emission factor is filterable PM only. Condensable PM emission factor is 1.3 lb/kgal.

Emission (tons/yr) = Throughput (kgals/ yr) x Emission Factor (lb/kgal)/2,000 lb/ton

GHG Emission Factors are from AP 42, Tables 1.3-3, 1.3-8, and 1.3-12 (SCC 1-03-005-01/02/03) Supplement E 9/99 (see erata file)

Off-Gas Methodology:

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from Fire 6.24 Industrial, process gas, blast furnace gas & Petroleum refinery gas (SCC 10200701 & 10200704) , March 2004.

*PM Emission Factor is from filterable PM only and PM₁₀ Emission Factor is from filterable and condensable PM₁₀ combined

**Potential throughput is the equivalent off-gas usage if off-gas with 0.42% Sulfur Content at an SO₂ emission rate of 8 pounds per hour is used.

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Green House Gas Methodology For All Fuels:

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

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

CO₂e (tons/yr) based on 11/29/2013 federal GWPs= CO₂ Potential Emission ton/yr x CO₂ GWP (1) + CH₄ Potential Emission ton/yr x CH₄ GWP (25) + N₂O Potential Emission ton/yr x N₂O GWP (298).

Hazardous Air Pollutant	Emission Factor (units)				H-201 Unlimited/Uncontrolled Potential to Emit (tons/yr)			H-301 Unlimited/Uncontrolled Potential to Emit (tons/yr)		H-401 Unlimited/Uncontrolled Potential to Emit (tons/yr)			H-402 Unlimited/Uncontrolled Potential to Emit (tons/yr)		H-406 Unlimited/Uncontrolled Potential to Emit (tons/yr)		
	Natural Gas (lb/MMCF)	No. 2 Fuel Oil (lb/kgal)	Process Off-gas (lb/MMBtu) (lb/MMCF)		Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Process Off-gas (tons/yr)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Process Off-gas (tons/yr)	Natural Gas (tons/yr)	No. 2 Fuel Oil (tons/yr)	Natural Gas (tons/yr)	-	Process Off-gas (tons/yr)
Arsenic	2.0E-04	5.6E-04			2.34E-05	4.78E-04	0	1.72E-05	3.50E-04	1.31E-05	2.68E-04	0	1.00E-05	2.05E-04	1.72E-05	-	0
Beryllium	1.2E-05	4.2E-04			1.41E-06	3.59E-04	0	1.03E-06	2.63E-04	7.88E-07	2.01E-04	0	6.03E-07	1.54E-04	1.03E-06	-	0
Cadmium	1.1E-03	4.2E-04	2.97E-07		1.29E-04	3.59E-04	3.56E-05	9.45E-05	2.63E-04	7.23E-05	2.01E-04	1.99E-05	5.53E-05	1.54E-04	9.45E-05	-	2.61E-05
Chromium	1.4E-03	4.2E-04			1.64E-04	3.59E-04	0	1.20E-04	2.63E-04	9.20E-05	2.01E-04	0	7.03E-05	1.54E-04	1.20E-04	-	0
Cobalt	8.4E-05				9.85E-06	0	0	7.21E-06	0	5.52E-06	0	0	4.22E-06	0	7.21E-06	-	0
Lead	5.0E-04	1.3E-03	6.10E-06		5.86E-05	1.08E-03	7.29E-04	4.29E-05	7.88E-04	3.29E-05	6.03E-04	4.09E-04	2.51E-05	4.61E-04	4.29E-05	-	5.34E-04
Manganese	3.8E-04	8.4E-04	4.23E-07		4.45E-05	7.17E-04	5.05E-05	3.26E-05	5.26E-04	2.50E-05	4.02E-04	2.83E-05	1.91E-05	3.07E-04	3.26E-05	-	3.70E-05
Mercury	2.6E-04	4.2E-04	1.41E-06		3.05E-05	3.59E-04	1.69E-04	2.23E-05	2.63E-04	1.71E-05	2.01E-04	9.47E-05	1.31E-05	1.54E-04	2.23E-05	-	1.24E-04
Nickel	2.1E-03	4.2E-04			2.46E-04	3.59E-04	0	1.80E-04	2.63E-04	1.38E-04	2.01E-04	0	1.06E-04	1.54E-04	1.80E-04	-	0
Selenium	2.4E-05	2.1E-03			2.81E-06	1.79E-03	0	2.06E-06	1.31E-03	1.58E-06	1.01E-03	0	1.21E-06	7.69E-04	2.06E-06	-	0
Acetaldehyde			6.60E-06		0	0	7.89E-04	0	0	0	4.42E-04	0	0	0	0	-	5.78E-04
Acrolein			4.19E-04		0	0	5.01E-02	0	0	0	2.81E-02	0	0	0	0	-	3.67E-02
Benzene	2.1E-03				2.46E-04	0	0	1.80E-04	0	1.38E-04	0	0	1.06E-04	0	1.80E-04	-	0
Dichlorobenzene	1.2E-03				1.41E-04	0	0	1.03E-04	0	7.88E-05	0	0	6.03E-05	0	1.03E-04	-	0
Ethylbenzene			6.28E-05		0	0	7.51E-03	0	0	0	4.21E-03	0	0	0	0	-	5.50E-03
Formaldehyde	7.5E-02	6.10E-02			8.79E-03	5.21E-02	0	6.44E-03	3.82E-02	4.93E-03	2.92E-02	0	3.77E-03	2.23E-02	6.44E-03	-	0.00E+00
Hexane	1.8E+00		3.90E-06		2.11E-01	0	4.66E-04	1.55E-01	0	2.11E-01	0	2.61E-04	9.04E-02	0	1.55E-01	-	3.42E-04
Phenol			7.10E-04		0	0	8.48E-02	0	0	0	4.75E-02	0	0	0	0	-	6.22E-02
Toluene	3.4E-03				3.99E-04	0	0	2.92E-04	0	2.23E-04	0	0	1.71E-04	0	2.92E-04	-	0
Total PAH Haps	negl				negl	0	0	negl	0	negl	0	0	negl	0	negl	-	0
Polycyclic Organic Matter		3.30E-03			0	2.82E-03	0	0	2.06E-03	0	1.58E-03	0	0	1.21E-03	0	-	0
Xylene			6.40E-07		0	0	7.65E-05	0	0	0	0	4.29E-05	0	0	0	-	5.61E-05
Chrysene			2.20E-07		0	0	2.63E-05	0	0	0	1.47E-05	0	0	0	0	-	1.93E-05
Copper			1.02E-06		0	0	1.22E-04	0	0	0	6.84E-05	0	0	0	0	-	8.94E-05
Benzo(a)pyrene			1.89E-06		0	0	2.26E-04	0	0	0	1.27E-04	0	0	0	0	-	1.66E-04
Fluoranthene			2.47E-06		0	0	2.95E-04	0	0	0	1.66E-04	0	0	0	0	-	2.16E-04

Methodology:

HAP Emission factors for natural gas are from AP-42, Tables 1.4-3 and 1.4-4

Appendix A: Emissions Calculations
Uncontrolled/Unlimited Emissions Calculations
Multi-Fuel Process Heaters
MM BTU/HR <100

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

	H-201 Worst-Case Fuel	H-301 Worst-Case Fuel	H-401 Worst-Case Fuel	H-402 Worst Case Fuel	H-406 Worst Case Fuel	Total Worst Case Potential to Emit
Criteria Pollutant						
PM	1.7082	1.2514	0.9573	0.7321	0.8022	5.4513
PM10	2.0498	1.5017	1.1488	0.8785	0.8022	6.3811
PM2.5	1.7936	1.3140	1.0052	0.7687	0.8022	5.6837
SO2	36.3847	26.6554	67.0140	15.5934	36.7920	182.4395
NOx	17.6214	12.5143	9.8757	7.3209	12.9095	60.2418
VOC	0.6448	0.4724	0.3614	0.2763	0.4724	2.2271
CO	9.8473	7.2141	5.5188	4.2203	7.2141	34.0146
Hazardous Air Pollutant						
Arsenic	4.78E-04	3.50E-04	2.68E-04	2.05E-04	1.72E-05	0.0013
Beryllium	3.59E-04	2.63E-04	2.01E-04	1.54E-04	1.03E-06	0.0010
Cadmium	3.59E-04	2.63E-04	2.01E-04	1.54E-04	9.45E-05	0.0011
Chromium	3.59E-04	2.63E-04	2.01E-04	1.54E-04	1.20E-04	0.0011
Cobalt	9.85E-06	7.21E-06	5.52E-06	4.22E-06	7.21E-06	0.0000
Lead	1.08E-03	7.88E-04	6.03E-04	4.61E-04	5.34E-04	0.0035
Manganese	7.17E-04	5.26E-04	4.02E-04	3.07E-04	3.70E-05	0.0020
Mercury	3.59E-04	2.63E-04	2.01E-04	1.54E-04	1.24E-04	0.0011
Nickel	3.59E-04	2.63E-04	2.01E-04	1.54E-04	1.80E-04	0.0012
Selenium	1.79E-03	1.31E-03	1.01E-03	7.69E-04	2.06E-06	0.0049
Acetaldehyde	7.89E-04	0	4.42E-04	0	5.78E-04	0.0018
Acrolein	5.01E-02	0	2.81E-02	0	3.67E-02	0.1149
Benzene	2.46E-04	1.80E-04	1.38E-04	1.06E-04	1.80E-04	0.0009
Dichlorobenzene	1.41E-04	1.03E-04	7.88E-05	6.03E-05	1.03E-04	0.0005
Ethylbenzene	7.51E-03	0	4.21E-03	0	5.50E-03	0.0172
Formaldehyde	5.21E-02	3.82E-02	2.92E-02	2.23E-02	6.44E-03	0.1482
Hexane	2.11E-01	1.55E-01	2.11E-01	9.04E-02	1.55E-01	0.8216
Phenol	8.48E-02	0	4.75E-02	0	6.22E-02	0.1945
Toluene	3.99E-04	2.92E-04	2.23E-04	1.71E-04	2.92E-04	0.0014
Total PAH Haps	0	0	0	0	0	0
Polycyclic Organic Matter	2.82E-03	2.06E-03	1.58E-03	1.21E-03	0.00E+00	0.0077
Xylene	7.65E-05	0	4.29E-05	0	5.61E-05	0.0002
Chrysene	2.63E-05	0	1.47E-05	0	1.93E-05	0.0001
Copper	1.22E-04	0	6.84E-05	0	8.94E-05	0.0003
Benzo(a)pyrene	2.26E-04	0	1.27E-04	0	1.66E-04	0.0005
Fluoranthene	2.95E-04	0	1.66E-04	0	2.16E-04	0.0007
Total HAPs	0.4166	0.1997	0.3262	0.1168	0.2682	1.3275

Total HAPs: 1.3275
Worst-Case Single HAP Total: 0.8216
(hexane)

**Appendix A: Emission Calculations
VOC and HAP Emission Calculations
Degreasing Operations**

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Degreasing Operations	Solvent Used	Solvent Density (lbs/gal)	Maximum Usage (gal/yr)	Maximum Usage (lbs/yr)	Weight % VOC	VOC Emissions (tons/yr)	HAP Weight % (Naphthalene)	HAP Emissions (tons/yr)
Maintenance Degreaser	Mineral spirits	6.7	2400	16080	100.00%	8.04	0.00%	0
Maintenance Degreaser 2	Cleaning solvent	7.9	400	3160	100.00%	1.58	6.00%	0.0948
Railcar Unloading Area Degreaser	Mineral spirits	6.7	2400	16080	100.00%	8.04	0.00%	0
Tanker Trailer Unloading Bays 1&2	Mineral spirits	6.7	2400	16080	100.00%	8.04	0.00%	0
Tanker Trailer Unloading Bays 3&4	Mineral spirits	6.7	2400	16080	100.00%	8.04	0.00%	0

Total Potential Emissions (tons/yr)

33.74

0.09

METHODOLOGY

VOC Emissions (tpy) = Material Usage (lbs/yr) * Weight % VOC * 1 ton/2000 lbs

HAP Emissions (tpy) = Material Usage (lbs/yr) * Weight % HAP * 1 ton/2000 lbs

Appendix A: Emission Calculations
Sources of Indirect Heating
(constructed after September 21, 1983)

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Facility	Construction year	Operating Capacity (MMBtu/hr)	Q (MMBtu/hr)	Individual Pt (lb/MMBtu)	Particulate Limitation (Pt) (lb/MMBtu)	PM PTE based on AP-42 (lb/MMBtu)
Heater H-301	1989	20.0	20.0	0.50	0.50	0.014
Boiler SB-821	1990	42.5	116.8	0.41	0.32	0.002
Heater H-201		27.3		0.46		0.014
Heater H-401		15.3		0.54		0.014
Heater H-402		11.7		0.58		0.014
Boiler SB-820		1991		44.5		161.3
Heater H-302	1992	15.1	176.4	0.54	0.28	0.002
Heater H-404	1994	9.0	185.4	0.62	0.28	0.002
Heater H-406	2002	20.0	205.4	0.50	0.27	0.009

Methodology

Q (MMBtu/hr): Accumulated Operating Capacity (MMBtu/hr)

Individual Pt (lb/MMBtu) = $1.09 / (\text{Power}(\text{Operating Capacity}, 0.26))$

Particulate Limitation (Pt) (lb/MMBtu) = $1.09 / (\text{Power}(Q, 0.26))$

1 MMCF of Natural gas = 1,020 MMBtu

1 Kgal of #2 Fuel Oil = 140 MMBtu

1 MMcf of Off-gas = 950 MMBtu

According to AP-42, the PM Emission Factors are: Natural Gas = 1.9 lb/MMCF; #2 Fuel Oil = 2.0 lb/Kcal

According to Fire 6.24, the Emission Factor for Off-gas is 8.7 lb/MMCF

PM PTE based on AP-42 (lb/MMBtu) for Nat. Gas = $1.9 (\text{lb/MMCF}) / 1020 (\text{MMBtu/MMCF})$ = 0.002 lb/MMBtu

PM PTE based on AP-42 (lb/MMBtu) for # 2 Fuel Oil = $2.0 (\text{lb/Kgal}) / 140 (\text{MMBtu/Kgal})$ = 0.014 lb/MMBtu

PM PTE based on AP-42 (lb/MMBtu) for Off-gas = $8.7 (\text{lb/MMCF}) / 950 (\text{MMBtu/MMCF})$ = 0.009 lb/MMBtu

For each facility, the PM PTE based on AP-42 (lb/MMBtu) is the worst case of the burned fuels

Appendix A: Emission Calculations
Unpaved Roads

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Unpaved Roads at Industrial Site

The following calculations determine the amount of emissions created by unpaved roads, based on 8,760 hours of use and AP-42, Ch 13.2.2 (11/2006).

Vehicle Information (provided by source)

Type	Maximum number of vehicles	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Total Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle (entering plant) (one-way trip)	30.0	1.0	30.0	37.5	1125.0	250	0.047	1.4	518.5
Vehicle (leaving plant) (one-way trip)	20.0	1.0	20.0	12.5	250.0	250	0.047	0.9	345.6
			0.0		0.0		0.000	0.0	0.0
			0.0		0.0		0.000	0.0	0.0
Totals			50.0		1375.0			2.4	864.1

Average Vehicle Weight Per Trip = tons/trip
 Average Miles Per Trip = miles/trip

Unmitigated Emission Factor, Ef = $k * [(s/12)^a] * [(W/3)^b]$ (Equation 1a from AP-42 13.2.2)

	PM	PM10	PM2.5	
where k =	4.9	1.5	0.15	lb/mi = particle size multiplier (AP-42 Table 13.2.2-2 for Industrial Roads)
s =	6.0	6.0	6.0	% = mean % silt content of unpaved roads (AP-42 Table 13.2.2-1 Iron and Steel Production)
a =	0.7	0.9	0.9	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)
W =	27.5	27.5	27.5	tons = average vehicle weight (provided by source)
b =	0.45	0.45	0.45	= constant (AP-42 Table 13.2.2-2 for Industrial Roads)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, Eext = $E * [(365 - P)/365]$ (Equation 2 from AP-42 13.2.2)

Mitigated Emission Factor, Eext = $E * [(365 - P)/365]$
 where P = days of rain greater than or equal to 0.01 inches (see Fig. 13.2.2-1)

	PM	PM10	PM2.5	
Unmitigated Emission Factor, Ef =	8.17	2.18	0.22	lb/mile
Mitigated Emission Factor, Eext =	5.38	1.43	0.14	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Mitigated PTE of PM (Before Control) (tons/yr)	Mitigated PTE of PM10 (Before Control) (tons/yr)	Mitigated PTE of PM2.5 (Before Control) (tons/yr)	Mitigated PTE of PM (After Control) (tons/yr)	Mitigated PTE of PM10 (After Control) (tons/yr)	Mitigated PTE of PM2.5 (After Control) (tons/yr)
Vehicle (entering plant) (one-way trip)	1.39	0.37	0.04	0.70	0.19	0.02
Vehicle (leaving plant) (one-way trip)	0.93	0.25	0.02	0.46	0.12	0.01
Totals	2.32	0.62	0.06	1.16	0.31	0.03

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
 Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
 Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
 Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/c PTE = Potential to Emit)
 Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
 Mitigated PTE (Before Control) (tons/yr) = (Maximum one-way miles (miles/yr)) * (Mitigated Emission Factor (lb/mile)) * (ton/2000 lbs)
 Mitigated PTE (After Control) (tons/yr) = (Mitigated PTE (Before Control) (tons/yr)) * (1 - Dust Control Efficiency)

Abbreviations

PM = Particulate Matter
 PM10 = Particulate Matter (<10 um)
 PM2.5 = Particulate Matter (<2.5 um)

Appendix A: Emission Calculations
Fugitive Dust Emissions - Paved Roads

Company Name: Safety-Kleen Systems, Inc.
Source Address: 601 Riley Road, East Chicago, Indiana 46312
Minor Source Modification No.: 089-45246-00301
Administrative Amendment No.: 089-45254-00301
Reviewer: Doug Logan
Date: 3/31/2022

Paved Roads at Industrial Site

The following calculations determine the amount of emissions created by paved roads, based on 8,760 hours of use and AP-42, Ch 13.2.1 (1/2011).

Vehicle Information (provided by source)

Type	Maximum number of vehicles per day	Number of one-way trips per day per vehicle	Maximum trips per day (trip/day)	Maximum Weight Loaded (tons/trip)	Weight driven per day (ton/day)	Maximum one-way distance (feet/trip)	Maximum one-way distance (mi/trip)	Maximum one-way miles (miles/day)	Maximum one-way miles (miles/yr)
Vehicle (entering plant) (one-way trip)	30.0	1.0	30.0	37.5	1125.0	2500	0.473	14.2	5184.7
Vehicle (leaving plant) (one-way trip)	20.0	1.0	20.0	12.5	250.0	2500	0.473	9.5	3456.4
			0.0		0.0				
			0.0		0.0				
Totals			50.0		1375.0			23.7	8641.1

Average Vehicle Weight Per Trip =

37.5

 tons/trip
Average Miles Per Trip =

0.47

 miles/trip

Unmitigated Emission Factor, $E_f = [k * (sL)^{0.91} * (W)^{1.02}]$ (Equation 1 from AP-42 13.2.1)

	PM	PM10	PM2.5	
where k =	0.011	0.0022	0.00054	lb/VMT = particle size multiplier (AP-42 Table 13.2.1-1)
W =	37.5	37.5	37.5	tons = average vehicle weight (provided by source)
sL =	9.7	9.7	9.7	g/m ² = silt loading value for paved roads at iron and steel production facilities - Table 13.2.1-3)

Taking natural mitigation due to precipitation into consideration, Mitigated Emission Factor, $E_{ext} = E * [1 - (p/4N)]$ (Equation 2 from AP-42 13.2.1)

Mitigated Emission Factor, $E_{ext} = E_f * [1 - (p/4N)]$
where p =

125

 days of rain greater than or equal to 0.01 inches (see Fig. 13.2.1-2)
N =

365

 days per year

	PM	PM10	PM2.5	
Unmitigated Emission Factor, $E_f =$	3.506	0.701	0.172	lb/mile
Mitigated Emission Factor, $E_{ext} =$	3.206	0.641	0.157	lb/mile
Dust Control Efficiency =	50%	50%	50%	(pursuant to control measures outlined in fugitive dust control plan)

Process	Mitigated PTE of PM (Before Control) (tons/yr)	Mitigated PTE of PM10 (Before Control) (tons/yr)	Mitigated PTE of PM2.5 (Before Control) (tons/yr)	Mitigated PTE of PM (After Control) (tons/yr)	Mitigated PTE of PM10 (After Control) (tons/yr)	Mitigated PTE of PM2.5 (After Control) (tons/yr)
Vehicle (entering plant) (one-way trip)	8.31	1.66	0.41	4.16	0.83	0.20
Vehicle (leaving plant) (one-way trip)	5.54	1.11	0.27	2.77	0.55	0.14
				0.00	0.00	0.00
				0.00	0.00	0.00
Totals	13.85	2.77	0.68	6.93	1.39	0.34

Methodology

Total Weight driven per day (ton/day) = [Maximum Weight Loaded (tons/trip)] * [Maximum trips per day (trip/day)]
Maximum one-way distance (mi/trip) = [Maximum one-way distance (feet/trip)] / [5280 ft/mile]
Maximum one-way miles (miles/day) = [Maximum trips per year (trip/day)] * [Maximum one-way distance (mi/trip)]
Average Vehicle Weight Per Trip (ton/trip) = SUM[Total Weight driven per day (ton/day)] / SUM[Maximum trips per day (trip/yr)]
Average Miles Per Trip (miles/trip) = SUM[Maximum one-way miles (miles/day)] / SUM[Maximum trips per year (trip/day)]
Unmitigated PTE (tons/yr) = [Maximum one-way miles (miles/yr)] * [Unmitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (Before Control) (tons/yr) = [Maximum one-way miles (miles/yr)] * [Mitigated Emission Factor (lb/mile)] * (ton/2000 lbs)
Mitigated PTE (After Control) (tons/yr) = [Mitigated PTE (Before Control) (tons/yr)] * [1 - Dust Control Efficiency]

Abbreviations

PM = Particulate Matter
PM10 = Particulate Matter (<10 um)
PM2.5 = Particle Matter (<2.5 um)
PTE = Potential to Emit



INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT

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Eric J. Holcomb
Governor

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Commissioner

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

TO: Evan Nikrin
Safety-Kleen Systems, Inc.
601 Riley Road
East Chicago, IN 46312

DATE: April 1, 2022

FROM: Jenny Acker, Branch Chief
Permits Branch
Office of Air Quality

SUBJECT: Final Decision
Title V – Minor Source Modification
089-45246-00301

This notice is to inform you that a final decision has been issued for the air permit application referenced above.

Our records indicate that you are the contact person for this application. However, if you are not the appropriate person within your company to receive this document, please forward it to the correct person. In addition, the Notice of Decision has been sent to the OAQ Permits Branch Interested Parties List and, if applicable, the Consultant/Agent and/or Responsible Official/Authorized Individual.

The final decision and supporting materials are available electronically; the original signature page is enclosed for your convenience. The final decision and supporting materials available electronically at:

IDEM's online searchable database: <http://www.in.gov/apps/idem/caats/> . Choose Search Option **by Permit Number**, then enter permit 45246


and

IDEM's Virtual File Cabinet (VFC): <https://www.in.gov/idem>. Enter VFC in the search box, then search for permit documents using a variety of criteria, such as Program area, date range, permit #, Agency Interest Number, or Source ID.

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

Final Applicant Cover Letter 8/20/20-acces via website


Mail Code 61-53

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1		Evan Nikrin Safety Kleen Systems Inc 601 Riley Rd East Chicago IN 46312 (Source CAATS) Sent Via UPS Campus Ship										
2		East Chicago City Council 4525 Indianapolis Blvd East Chicago IN 46312 (Local Official)										
3		Craig Hogarth 7901 W Morris St Indianapolis IN 46231 (Affected Party)										
4		Lake County Commissioners 2293 N Main St, Bldg A, 3rd Floor Crown Point IN 46307 (Local Official)										
5		Anthony Copeland 2006 E 140th St East Chicago IN 46312 (Affected Party)										
6		Barbara G Perez 506 Lilac St East Chicago IN 46312 (Affected Party)										
7		Mr. Robert Garcia 3733 Parrish Ave East Chicago IN 46312 (Affected Party)										
8		Ms. Karen Kroczek 8212 Madison Ave Munster IN 46321-1627 (Affected Party)										
9		Joseph Hero 11723 S Oakridge Dr St. John IN 46373 (Affected Party)										
10		Gary City Council 401 Broadway #209 Gary IN 46402 (Local Official)										
11		City of Gary Dept. of Environmental Affairs 401 Broadway, Ste 304 Gary IN 46402 (Local Official)										
12		Mr. Larry Davis 268 S 600 W Hebron IN 46341 (Affected Party)										
13		Jeff Mayes News-Dispatch 422 Franklin St Michigan City IN 46360 (Affected Party)										
14		East Chicago City Health Department 100 W Chicago Ave East Chicago IN 46312 (Health Department)										
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Mail Code 61-53

IDEM Staff	KBOURQUE 4/1/2022 Page 2 of 2 Safety Kleen Systems 089-45246-00301 & 089-45254-00301 (final)			AFFIX STAMP HERE IF USED AS CERTIFICATE OF MAILING
Name and address of Sender		Indiana Department of Environmental Management Office of Air Quality – Permits Branch 100 N. Senate Indianapolis, IN 46204	Type of Mail: CERTIFICATE OF MAILING ONLY	

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											Remarks
1		Karen Burchandt Mostardi Platt 888 Industrial Drive Elmhurst IL 60126 (Consultant)									
2											
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